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UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

BOOK A-516

B

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISION
AND

SURVEY OF A PORTION OF THE SUBDIVISION.

COMPLETING THE SURVEY OF

TOWNSHIP 5 SOUTH, RANGE 3 EAST,

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Robert C. Yundt, Surveyor,

under special instructions dated July 20, 1925, which provided

for the surveys included under Group No. 167, bearing the approval of the

Commissioner of the General Land Office under date of August 1, 1925.

supplemental

and assignment instructions dated June 1, 1940

Survey commenced June 5, 1940

Survey completed August 23, 1940

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INDEX DIAGRAM.

Township 5 South, Range 3 East.

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TOWNSHIP 5 SOUTH, RANGE 3 EAST.

The survey was executed by Robert C. Yundt, Surveyor, using Buff and Buff solar transit No. 9797, property of the United States General Land Office. The instrument is provided with a horizontal plate having two double verniers, placed opposite to each other and graduated to single minutes of arc, and a full vertical circle, with one double vernier, which is also graduated to single minutes of arc. As the solar attachment was not used on the survey no description of it will be given in these notes. The instrument was in good adjustment, and was approved for use on the work by the district cadastral engineer, in assignment instructions dated June 1, 1940, conditional upon satisfactory field tests. These tests were made in the field, prior to the beginning of the field work, and the instrument was found to be in proper adjustment.

The measurements were made with Lallie steel ribbon tapes, 8 chains in length. These tapes are graduated every link for the first chain and thereafter at intervals of ten links. The tapes were tested by comparison with a Lufkin standard steel tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angles determined by the use of clinometers, and the horizontal equivalents used in the notes.

The data furnished with the special instructions indicate that the geographic position of the original corner of sections 3 and 4, on the north boundary of the township, is as follows: Latitude 40°25'N., longitude 111°36'W.; frequent observations for latitude, taken on line during the progress of the survey, verify this value for latitude.

The bearings of the lines of the survey were determined by reference to true meridians, established by Polaris observations, made on line at frequent intervals. The lines were carried forward as transit lines, taking the mean of direct and reversed sights at each transit point, and checking the bearing by succeeding observations. The observation made at the initial point of the work, follows:

June 6, 1940: at the original corner of sections 3 and 4, on the north boundary of the township, hereinafter described, at 4h.05m 30s p.m., by my watch, which carries correct 105th meridian standard time, determined by radio signals on June 5th, I observe Polaris west of the meridian, making four settings, two each with the telescope in direct and reversed positions, noting the horizontal angle between the star and a point on a hub about ten chains south.

Local mean time of observation, - - - - - 3h 39m p.m.
Angle, counter clockwise, star to point - 178°42'15"
Azimuth of star, - - - - - 1°17'45"

True bearing of reference point, - - - - - South.

The present work consisted of the survey of twelve sections in the northwest corner of the township, and required the retracement and dependent restoration of a limited number of subdivisional lines previously surveyed. This restoration is a reestablishment of the original lines in their true original position according to the identified evidence. Before reconstructing or restoring a corner, the lines of the original survey were retraced, and a search made for evidence of the original corner monuments and other calls of the field notes. After completing the necessary retracements, the rules of proportionate measurement were applied to ascertain the position of each lost corner, and when duly identified or restored, the corner position was properly remonumented. The true line courses and distances alone appear in the notes.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 5 S., R. 3 E.

Dependent Resurvey of the Subdivision of T. 5 S., R. 3 E., Reestablishing the Survey executed by Stewart and Stewart, in 1900.

No evidence remains of the original position of the corner of sections 21, 22, 27, and 28, and the corner point is therefore restored under control of the nearest identified corners to the east, west, south and north, namely: the $\frac{1}{4}$ section corner of sections 22 and 27, the corner of sections 27, 28, 33, and 34, the corner of sections 19 and 30 on the west boundary of the township, and the corner of sections 15, 16, 21, and 22, all hereinafter described.

At the corner point.

Set an iron post, 3 ft. long, 2 ins. diameter, 24 ins. in the ground to solid rock, and in a mound of stone, for the restored corner of sections 21, 22, 27, and 28, with brass cap marked

T5SR3E	
S21	S22
S28	S27
1940	

Deposit a blue limestone rock, 7x6x5 ins., marked with a cross (X) at the base of the post. No suitable trees for marking.

From the corner point the $\frac{1}{4}$ section corner of sections 22 and 27, marked by a quartzite stone, 14x10x5 ins., firmly set in the ground and marked $\frac{1}{4}$ on the north face, witnessed by one bearing tree, bears S.88°08'E., 39.41 chains distant. I remonument the point, as follows:

Set an iron post, 3 ft. long, 1 in. diameter, 15 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

S22
S27
1940

from which an original tree,

A juniper, 12 ins. diameter, marked $\frac{1}{4}$ S22BT, bears N.50°10'W., 10 links distant.

No other suitable tree available for marking. Deposit the original stone alongside the iron post.

Also, the original corner of sections 27, 28, 33, and 34, marked by a quartzite stone, 18x10x10 ins., firmly set in the ground, and marked with 3 notches on the east, and 1 notch on the south edges, bears 79.77 chains S.0°16'W.; I remonument the point as follows:

Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

T5S R3E	
S28	S27
S33	S34
1940	

Chains

1831.1 Deposit the original stone alongside the iron post. No suitable trees available for marking.

Chains

Beginning at the restored corner of sections 21, 22, 27, and 28, above described.

N.0°44'W., on dependent resurvey between sections 21 and 22.

Over mountainous land, through a scattering growth of timber and a scant undergrowth, ascend 1215 ft. along a steep SE. slope to the ridge.

34.35 Ridge, bears N.80°W. and S.80°E., divide between the main fork and the north fork of the Provo River, descend 200 ft. along a steep NE. slope.

39.89 Proportionate distance, no trace of the original $\frac{1}{4}$ section corner can be found.

On a steep NE. slope.

Set an iron post, 3 ft. long, 1 in. diameter, 24 ins. in the ground to solid rock, and in a mound of stone, for the $\frac{1}{4}$ section corner, with brass cap marked

S21 | S22
1940

Deposit a blue limestone rock, 7x5x3 ins., marked with a cross (X) at the base of the post. No suitable trees available for marking.

Descend 175 ft. along a NE. slope.

44.90 Draw, drains S.80°E. from the west; ascend 390 ft. along a SE. slope.

52.30 High, rocky spur, projects E. about 10 chains to end; descend 445 ft. along a NE. slope.

58.70 Draw, drains N.70°E.; wash 60 links wide, 20 ft. deep, in the bottom; ascend 205 ft. along a SE. slope.

72.00 Spur, projects E. about 12 chains to end; descend 295 ft. along a NE. slope.

79.78 The original corner of sections 15, 16, 21, and 22, marked by a blue limestone rock, 20x12x10 ins., firmly set in the ground, marked with 3 notches on the south and east edges, witnessed by a mound of stone to the west, and by two trees. I remonument the point, as follows:

Set an iron post, 3 ft. long, 2 ins. diameter, 18 ins. in the ground to solid rock, and in a mound of stone, for the corner of sections 15, 16, 21, and 22, with brass cap marked

T53 R3E
S16 | S15
S21 | S22
1940

from which the original trees

DEPENDENT RESURVEY OF SUBDIVISION OF T. 5 S., R. 3 E.

Chains

ended

A Douglas fir, 30 ins. diameter, marked T5SR3ES15BT, bears N.20°E., 135 links distant.

A Douglas fir, 24 ins. diameter, marked T5SR3ES16BT, bears N.50°W., 50 links distant.

Land, rough and broken mountain slopes; drainage SE. and NE. from the ridge at the 34.35 chain point.

Soil, rocky mountain loam; 2nd rate.

Timber, aspen, fir, mahogany and oak.

Undergrowth, sagebrush, service berry brush, choke cherry weeds and grass.

Good grazing.

N.3°13'W., between sections 15 and 16.

Over mountainous land, through scattering timber and a medium dense undergrowth; descend 1215 ft. over a steep and rugged NE. slope over small draws and spurs.

39.61 Proportionate distance; no trace of the original $\frac{1}{4}$ section corner can be found.

Set an iron post, 3 ft. long, 1 in. diameter, 15 ins. in the ground to solid rock, and in a large mound of stone, for the $\frac{1}{4}$ section corner of section 15, only, with brass cap marked

$\frac{1}{4}$ S15

1940

Deposit a limestone rock, 7x5x3, marked with a cross (X), at the base of the post. No suitable trees available for marking.

39.99 Point midway between the corner of sections 15, 16, 21, and 22, and the closing corner of sections 9 and 16, hereinafter described.

Set an iron post, 3 ft. long, 1 in. diameter, 24 ins. in the ground to solid rock, and in a mound of stone, for the $\frac{1}{4}$ section corner of section 16, only, with brass cap marked,

$\frac{1}{4}$ S16

1940

Deposit a limestone rock, 10x8x6 ins., marked with a cross (X) at the base of the post. No suitable trees available for marking.

Descend 280 ft. along a steep NE. slope over ledges.

44.80 Wash, drains N.80°E., continue descent along a N. slope.

45.60 Trail, bears E. and W.

50.40 Canyon, drains E., stream of good water, 10 links wide, 6 ins. deep, in bottom, Stewart Falls is located approximately 15 chains west. Ascend 360 ft. along a SE. slope to the spur.

67.00 Trail, bears NE. and SE.

69.40 Trail, bears E. and W.

76.90 Spur, projects S.80°E.; descend 65 ft. along a NE. slope.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 5 S., R. 3 E.

Chains

79.22 The original corner of sections 9, 10, 15, and 16, a decayed aspen tree, 10 ins. diameter, with faint scribe marks on four sides; no evidence of the bearing trees remain.

At the same point, set an iron post, 3 ft. long, 2 ins. diameter, 15 ins. in the ground to solid rock, and in a mound of stone, for the corner of sections 10 and 15, only, with brass cap marked

T5S R3E
S16 | S10
S15
1940

Deposit a limestone rock, 7x5x3 ins., marked with a cross (X) at the base of the post. No suitable trees available for marking.

Land, rough and broken mountain slopes; drainage E.

Soil, rocky mountain loam; 3rd rate.

Timber, aspen, fir, pine and juniper.

Undergrowth, sagebrush, bitter brush, service berry, choke cherry and grass.

Good grazing.

N.0°55'E., along the west boundary of section 10.

Over mountainous land, through a medium dense timber and a scant undergrowth; descend along a NE. slope.

.76 Point for the closing corner of sections 9 and 16, hereinafter described.

Descend along a NE. slope over small draws and spurs, putting E.

29.90 End of old barbed wire fence, bears north, winding close to line; the fence is lying on the ground most of the way.

39.47 Proportionate distance; no trace of the original corner can be found.

Set an iron post, 3 ft. long, 1 in. diameter, 28 ins. in the ground, for the $\frac{1}{4}$ section corner of section 10, only, with brass cap marked

$\frac{1}{4}$ S10
1940

Raise a mound of stone, 3 ft. base, 2 ft. high, east of the post. No suitable trees available for marking.

40.74 Point midway between the closing corners of sections 9 and 16, and of sections 4 and 9.

Set an iron post, 3 ft. long, 1 in. diameter, 28 ins. in the ground, for the $\frac{1}{4}$ section corner of section 9, only, with brass cap marked

$\frac{1}{4}$ S9
1940

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the post. No suitable trees available for marking.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 5 S., R. 3 E.

Chains	
	Continue along a general E. slope over small spurts and draws, putting E.
52.00	Trail, bears E. and W.
56.90	Recross trail, bears E. and W.
57.60	Spur, projects E.; old fence line bears E. and connects with the old fence line to the south. Descend 275 feet along a general N. slope.
60.70	Recross trail, bears NW. and SE.
61.80	Recross trail, bears E. and W.
65.90	Enter camp area, with scattered cabins.
67.40	Camp road, bears NW. and SE.
68.00	North Fork of the Provo River, small stream of good water, drains S. 60° E.; ascend 125 ft. along a SW. slope to the corner.
71.40	Main road through Aspen Grove, stone gates on either side, bears N. 80° E. and S. 80° W.
73.90	Small draw, drains S. 70° W.; continue ascent along a S. slope.
78.94	The original corner of sections 3, 4, 9, and 10, marked by a limestone rock, 18x15x9 ins., firmly set, properly marked, witnessed only by a mound of stone around the corner. I remonument this point as follows: Set an iron post, 3 ft. long, 2 ins. diameter, 16 ins. in the ground, and in a mound of stone, for the corner of sections 3 and 10, only, with brass cap marked <div style="text-align: center;"> T5SR3E S3 S9 ——— S10 1940 </div>
	Deposit the original stone alongside the iron post. No suitable trees available for marking.
	Land, rolling mountain slopes; drainage, E. Soil, deep, rocky mountain loam; 2nd rate. Timber, aspen, Douglas fir, pine and mahogany. Undergrowth, sagebrush, service berry brush, weeds and grass. Good grazing.
	N. 1° 18' E, on a dependent resurvey, along the west boundary of section 3. Over mountainous land, through a medium dense timber and a medium dense undergrowth; ascend along a SW. slope.
1.78	Point for the closing corner of sections 4 and 9, hereinafter described.
5.00	Head of draw, draining SW.; ascend 75 ft. along a S. slope.
11.10	Road, near bend, bears SW. and NW., on small spur, projecting E.; continue ascent along a general E. slope.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 5 S., R. 3 E.

Chains

- 19.71 Recross road, bears N.70°E. and S.70°W.
 30.80 Recross road, bears N.60°E. and S.60°E.
 35.50 Recross road, bears NE. and SW.
 38.84 Proportionate distance; no trace of the original $\frac{1}{4}$ section corner can be found.

Set an iron post, 3 ft. long, 1 in. diameter, 15 ins. in the ground to solid rock, and in a mound of stone, for the $\frac{1}{4}$ section corner of section 3, only, with brass cap marked

S3
1940

from which

An aspen, 6 ins. diameter, marked S3BT, bears N.22°15'E., 13 links distant.

An aspen, 11 ins. diameter, marked S3BT, bears S.25°45'E., 14 links distant.

- 41.79 Latitude of 40.00 chains from the closing corner of sections 4 and 9.

Set an iron post, 3 ft. long, 1 in. diameter, 18 ins. in the ground to solid rock, and in a mound of stone, for the $\frac{1}{4}$ section corner of section 4, only, with brass cap marked

S4
1940

from which

An aspen, 8 ins. diameter, marked S4BT, bears N.55°45'E., 17 links distant.

An aspen, 6 ins. diameter, marked S4BT, bears S.35°15'E., 32 links distant.

- 62.00 Small spring of water in the bottom of a draw, draining S.15°E.; ascend along a SW. slope.
 65.80 Spur, projects S.30°E.; continue ascent along a SE. slope.
 66.80 Recross road, bears NE. and SW.
 77.68 The original corner of sections 3, 4, 33, and 34, on the north boundary of the township, marked by a quartzite rock, 18x14x5 ins., set in a mound of stone, and marked with 3 notches on the east and west edges. I remonument this point as follows:

Set an iron post, 3 ft. long, 2 ins. diameter, 24 ins. in the ground to solid rock, and in a mound of stone, for the corner of sections 3 and 4, only, with brass cap marked

T4S R3E
S34
S4 S3
T5S
1940

from which

An aspen, 7 ins. diameter, marked T5SR3ES3BT, bears S.52°45'E., 23 links distant.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 5 S., R. 3 E.

Chains

An aspen, 7 ins. diameter, marked T5SP2BS4BT, 18.01
bears S.23°30'W., 49 links distant.

Land, rolling mountain slopes; drainage, SE.
Soil, deep, rocky mountain loam; 3rd rate.
Timber, aspen, fir, pine and mahogany.
Undergrowth, sagebrush, service berry brush, weeds
and grass.
Good grazing.

Beginning at the restored corner of sections 21, 22, 27,
and 28, heretofore described.

Thence

S.88°58'W., on dependent resurvey, between sections 21
and 28.

Over rough, mountainous land, through scattering timber
and medium dense undergrowth; descend 125 ft. along a
W. slope.

7.50 Draw, drains SE.; ascend 725 ft. along a steep and rugged
E. slope, over ledges, to the witness ¼ section corner.

39.12 Point for the ¼ section corner of section 21, 40.00 chains
in departure from the restored corner of sections 20, 21,
28, and 29, hereinafter described, falls in steep talus
slope, where the monument cannot be erected.

39.56 Proportionate distance for the ¼ section corner of section
28. Point falls in steep talus slope, where the monument
cannot be erected.

46.76 On top of a ridge, bearing NW. and SE.; over a cross (X)
cut into solid rock

Set an iron post, 3 ft. long, 1 in. diameter, 8 ins. in
the ground to solid rock, and in a mound of stone, for
the witness ¼ section corner of section 28, with brass cap
marked

WC
¼S28
1940

46.77 Set an iron post, 3 ft. long, 1 in. diameter, 8 ins. in
the ground, over a cross (X) cut into solid rock, for the
witness ¼ section corner of section 21, with brass cap
marked

¼S21 WC
1940

Descend 495 ft. along a steep SW. slope over ledges.

79.13 Proportionate distance. No trace of the original corner
of sections 20, 21, 28, and 29 being found, I restore
this corner by proportionate distance between the ¼ section
corner of sections 22 and 27 and the corner of sections 19
and 30, on the west boundary of the township, and at record
distance from ¼ section corner of sections 32 and 33,

Set an iron post, 3 ft. long, 2 ins. diameter, 18 ins. in
the ground to solid rock, and in a large mound of stone,
for the corner of sections 20, 21, 28, and 29, with brass
cap marked

DEPENDENT RESURVEY OF SUBDIVISION OF T. 5 S., R. 3 E.

Chains

T5S R3E
S20 | S21
S29 | S28
1940

Deposit a limestone rock, 8x6x4 ins., marked with a cross (X) at the base of the post.

From this point the original $\frac{1}{4}$ section corner of sections 32 and 33, marked by a limestone rock, 17x9x9 ins., firmly set in the ground, marked $\frac{1}{4}$ on W. face, and witnessed by a mound of stone, bears S.0°04'E. 120 chains distant. I remonument the $\frac{1}{4}$ section corner as follows:

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for the $\frac{1}{4}$ section corner of sections 32 and 33, with brass cap marked

S32 | S33
1940

Deposit the original stone at the base of the post, and raise a mound of stone, 3 ft. base, 2 ft. high, to the W.

Land, rough and broken mountain slopes; drainage SE. and SW. from the ridge at the 46.76 chain point.

Soil, shallow mountain loam; 4th rate.

Timber, Douglas fir, pine and aspen.

Undergrowth, sagebrush, service berry brush, weeds and grass.

Poor grazing.

SUBDIVISION OF T. 5 S., R. 3 E.

From the cor. of secs. 20, 21, 28, and 29 North, on original survey, on a sectional guide meridian, between sections 20 and 21.

Over rough and broken land, through scattering timber and a scant undergrowth. Ascend 695 ft. along a rugged SW. slope over ledges.

26.20 High and rocky ridge, bears E. and W.; descend 495 ft. along a N. slope.

41.19 40.00 chains in latitude from the corner of sections 15, 16, 21, and 22; point for the $\frac{1}{4}$ section corner falls upon steep rock slide, where the monument cannot be erected. Descend 385 ft. over a steep N. slope.

49.74 At the base of the steep slope.

Set an iron post, 3 ft. long, 1 in. diameter, 14 ins. in the ground to solid rock, and in a mound of stone, for the witness $\frac{1}{4}$ section corner of sections 20 and 21, with brass cap marked

$\frac{1}{4}$
S20 | S21
WC
1940

Deposit a limestone rock, 6x5x4 ins., marked with a cross (X) at the base of the post. No suitable trees available for marking.

SUBDIVISION OF T. 5 S., R. 3 E.

Chains	
	Descend along a NW. slope.
66.30	Trail, bears N.80°E. and S.80°W.
78.00	Draw, drains S.70°E.; continue along a general E. slope.
81.19	Point west of the corner of sections 15, 16, 21, and 22. Set an iron post, 3 ft. long, 2 ins. diameter, 16 ins. in the ground to solid rock, and in a mound of stone, for the corner of sections 16, 17, 20, and 21, with brass cap marked <div style="text-align: center;">T5S R3E S17 S16 S20 S21 1940</div>
	Deposit a limestone rock, 7x5x3 ins., marked with a cross (X) at the base of the post. No suitable trees available for marking.
	Land, rough and broken mountain slopes; drainage SW. and NE. from the ridge at the 26.20 chain point. Soil, shallow rocky mountain loam; 3rd rate. Timber, Douglas fir and aspen. Undergrowth, sagebrush, service berry brush, weeds and grass. Fair grazing.
	East, on a sectional correction line, for distance only, between sections 16 and 21.
40.00	Set temporary $\frac{1}{4}$ section corner.
78.23	Intersect the corner of sections 15, 16, 21, and 22, heretofore described. Thence West, on a sectional correction line, between sections 16 and 21. Over mountainous land, through scattering timber and a medium dense undergrowth; ascend 2380 ft. over a broken NE. slope to the witness $\frac{1}{4}$ section corner.
38.23	Point for the $\frac{1}{4}$ section corner falls in steep rock slide, where the monument cannot be erected.
42.02	High, rocky spur, projects N. Set an iron post, 3 ft. long, 1 in. diameter, 12 ins. in the ground to solid rock, and in a large mound of stone, for the witness $\frac{1}{4}$ section corner, with brass cap marked <div style="text-align: center;">$\frac{1}{4}$ <div style="display: inline-block; vertical-align: middle;">S16 S21 1940</div> WC</div>
	Deposit a limestone rock, 6x4x4 ins., marked with a cross (X) at the base of the post. No suitable trees available for marking.
	Descend 975 ft. along a steep NW. slope, over ledges.

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

59.60 Draw, drains N.; ascend 65 ft. along a NE. slope.

62.20 Spur, projects N.; descend along a NW. slope.

71.50 Draw, drains N.; trail in the bottom; ascend 95 ft. along a SE. slope.

78.23 The corner of sections 16, 17, 20, and 21.

Land, rough and broken mountain slopes; drainage NE.
Soil, shallow mountain loam; 3rd rate.
Timber, Douglas fir and aspen.
Undergrowth, sagebrush, service berry, weeds and grass.
Poor grazing.

North, on a sectional guide meridian, between sections 16 and 17.

Over mountainous land, through scattering timber and a scant undergrowth; ascend 365 ft. along a SE. slope.

20.70 Spur, projects N.80°E., about 20 chains to end; descend 325 ft. along a NE. slope.

28.20 Small draw, drains N.80°E.; continue along a general E. slope.

35.60 Trail, bears E. and W., on small spur, projecting E.; descend 95 ft.

39.40 Small draw, drains E.; ascend along a SE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for the 1/4 section corner, with brass cap marked

S17 S16
1940

Raise a mound of stone, 3 ft. base, 2 ft. high, west of the post.

Ascend 475 ft. along a general SE. slope to the corner.

75.00 Draw, drains SE.; continue ascent.

80.00 On a steep S. slope, in slide rock.

Set an iron post, 3 ft. long, 2 ins diameter, 28 ins. in the ground, for the corner of sections 8, 9, 16, and 17, with brass cap marked

T5S R3E
S8 S9
S17 S16
1940

Raise a mound of stone, 4 ft. base, 3 ft. high, west of the post.

Land, rough and broken mountain slopes; drainage, SE.
Soil, shallow mountain loam; 3rd rate.
Timber, Douglas fir and aspen.
Undergrowth, sagebrush, service berry brush, choke cherry, weeds and grass.
Fair grazing.

SUBDIVISION OF T. 5 S., R. 3 E.

Chains	
	East, on true line, between sections 9 and 16. Over mountainous land, through scattering timber and a scant undergrowth; along a general S. slope.
13.00	Spur, projects SE. about 30 chains to end; descend 820 ft. along a SE. slope.
24.40	Draw, drains SE.; ascend 95 ft. along a SW. slope.
33.40	Trail, on top of main spur, projecting SE.; descend 210 ft. along an E. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a mound of stone, for the section corner, with brass cap marked
	$\begin{array}{r} S9 \\ 4 \overline{) S16} \\ 1940 \end{array}$
	Deposit a limestone rock, 5x3x3 ins., marked with a cross (X) at the base of the post.
	Descend 1610 ft. along a general NE. slope.
75.70	Intersect the west boundary of section 10, 76 links N.0° 55'E. of the corner of sections 10 and 15. Set an iron post, 3 ft. long, 2 ins. diameter, 15 ins. in the ground to solid rock, and in a mound of stone, for the closing corner of sections 9 and 16, with brass cap marked
	$\begin{array}{r} T5S \ R3E \\ CC \overline{) S9} \ S10 \\ S16 \\ 1940 \end{array}$
	Deposit a limestone rock, 10x6x3 ins., marked with a cross (X) at the base of the post. No suitable trees available for marking.
	Land, rough and broken mountain slopes; drainage SE. and NE. from the spur at the 33.40 chain point. Soil, rocky mountain loam; 2nd rate. Timber, Douglas fir, aspen, mahogany and oak. Undergrowth, sagebrush, oak brush, service berry brush, weeds and grass. Fair grazing.
	Beginning at the corner of sections 8, 9, 16, and 17, heretofore described.
	Thence
	North, between sections 8 and 9, on sectional guide meridian. Over rough and broken land, through scattering timber and a scant undergrowth; ascend 435 ft. along a steep S. slope, over ledges.
12.40	Spur, projects SE. about 30 chains to end; continue along a steep and rocky E. slope.
15.00	Spur, projects E. about 50 chains to end; descend 145 ft.

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

along a steep NE. slope, across the tops of small spurs, projecting NE.

32.96

Set an iron post, 3 ft. long, 1 in. diameter, in a large mound of stone, over a cross (X) cut in solid rock, for the witness $\frac{1}{4}$ section corner, with brass cap marked

W C

$\frac{1}{4}$

S8 | S9

1940

Descend abruptly over ledges.

40.00

Point for the $\frac{1}{4}$ section corner falls upon steeply sloping ledge and cannot be reached. Descend 2560 ft. over a steep and rugged N. slope, over ledges.

70.10

North fork of the Provo River, stream of good water, 10 links wide and 6 ins. deep, flows NE.; ascend 150 ft. along a SE. slope to the corner.

Mt.

71.90

Trail, to the summit of/Timpanogos, from Aspen Grove, bears SW. and NE.

80.00

Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock, and in a mound of stone, for the corner of sections 4, 5, 8, and 9, with brass cap marked

T5S R3E

S5 | S4

S8 | S9

1940

Deposit a limestone rock, 7x5x3 ins., marked with a cross (X) at the base of the post.

Land, rough and broken mountain slopes; drainage, SE. and E. from the spur at the 12.40 chain point.

Soil, shallow, rocky mountain loam; 4th rate.

Timber, Douglas fir, aspen, mahogany and oak.

Undergrowth, sagebrush, service berry, choke cherry, weeds and grass.

Poor grazing.

East, on true line, between sections 4 and 9.

Over mountainous land, through scattering timber and a scant undergrowth; descend 235 ft. along a SE. slope.

18.60

Draw, drains SE., stream of good water, 2 links wide, 2 ins. deep in bottom; ascend 45 ft. along a SW. slope.

37.20

Spur, projects SE.; descend 45 ft. along a NE. slope.

40.00

Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a mound of stone, for the $\frac{1}{4}$ section corner, with brass cap marked

S4

$\frac{1}{4}$

S9

1940

Deposit a limestone rock, 6x5x5 ins., marked with a cross (X) at the base of the post.

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

Descend 340 ft. along a broken SE. slope.

53.50 Aspen Grove road, bears NE. and SW.; descend 75 ft. along a SE. slope.

61.50 Depression, draining S., also camp ground road, bearing NE. and SW.; ascend 60 ft. along a SW. slope to the closing corner.

69.40 Camp ground road, bears NW. and SE.

75.00 Intersect the west boundary of section 3, 1.78 chains N. 1° 18'E. of the corner of sections 3 and 10.

Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock, and in a mound of stone, for the closing corner of sections 4 and 9, with brass cap marked

T5S R3E
S4
CC — S3
S9
1940

Deposit a limestone rock, 7x5x3 ins., marked with a cross (X) at the base of the post. No suitable trees available for marking.

Land, broken mountain slopes; drainage, SE.

Soil, gravelly to rocky mountain loam; 3rd rate.

Timber, Douglas fir, aspen and oak.

Undergrowth, sagebrush, choke cherry, oak, service berry, weeds and grass.

Fair grazing.

Beginning at the corner of sections 4, 5, 8, and 9.

Thence

North, on a sectional guide meridian, between sections 4 and 5.

Over mountainous land, through scattering timber and a scant undergrowth; ascend 1150 ft. along a general SE. slope, over ledges, to the $\frac{1}{4}$ section corner.

17.70 Trail, bears NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. diameter, 18 ins. in the ground to solid rock, and in a mound of stone, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S5 | S4
1940

Deposit a limestone rock, 7x5x3 ins., marked with a cross (X) at the base of the post.

Ascend 75 ft. along a SE. slope.

42.70 Ridge, bears E. and W.; descend 480 ft. along a NE. slope.

75.80 Intersect the north boundary of the township at a point 8.23 chains east of the corner of sections 32 and 33,

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

T. 5 S., R. 3 E., an iron post, 2 ins. diameter, firmly set, properly marked and witnessed, as described in the official record.

At the point of intersection.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for the closing corner of sections 4 and 5, with brass cap marked

T4S R3E
S33
S5 S4
T5S R3E
CC
1940

Raise a mound of stone, 3 ft. base, 2 ft. high, south of the post.

Land, rough, broken mountain slopes; drainage SE. and NE. from the ridge at the 42.70 chain point.
Soil, deep, rocky mountain loam; 2nd rate.
Timber, Douglas fir, aspen, oak and mahogany.
Undergrowth, sagebrush, service berry, choke cherry, weeds and grass.
Good grazing.

Establishment of the section corner on the north boundary of section 4.

At a point 8.23 chains east of the section corner of section 33, T. 4 S., R. 3 E., an iron post, 1 in. diameter, firmly set, properly marked and witnessed, as described in the official record.

Set an iron post, 3 ft. long, 1 in. diameter, 24 ins. in the ground to solid rock, and in a mound of stone, for the section corner of section 4, only, with brass cap marked

S4
1940

from which

An aspen, 6 ins. diameter, marked S4BT, bears S.86°15'E., 56 links distant.

An aspen, 4 ins. diameter, marked S4BT, bears S.52°45'W., 24 links distant.

A small spring of good water, bears S.80°E., 40 links distant.

Beginning at the restored corner of sections 20, 21, 28, and 29 heretofore described.

Thence

N.89°58'W., on a dependent resurvey, between sections 20 and 29.

Over rough and broken mountainous land, through scatter-

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

enlaid

ing timber and scant undergrowth; descend 375 ft. along a SW. slope.

13.50 Draw, drains SE.; ascend 625 ft. along an E. slope.

27.00 Spur, projects S.20°W.; descend 290 ft. along a steep SW. slope.

34.45 On the west side of a spur, projecting SW.

Set an iron post, 3 ft. long, 1 in. diameter, 12 ins. in the ground to solid rock, and in a mound of stone, for the witness a section corner of section 20, only, with brass cap marked

W C $\frac{1}{4}$ S20
1940

Alongside of which

Set an iron post, 3 ft. long, 1 in. diameter, 12 ins. in the ground to solid rock, and in a mound of stone, for the witness a section corner of section 29, only, with brass cap marked

W C $\frac{1}{4}$ S29
1940

Deposit a limestone rock, 9x7x5 ins., marked with a cross (X) at the base of the post.

Descend 265 ft. along a steep SW. slope.

39.58 Proportionate distance; point for the $\frac{1}{4}$ section corner of section 29 falls on steep slope of loose rock, where the monument cannot be erected.

40.00 Point for the $\frac{1}{4}$ section corner of section 20 falls on steep slope of loose rock, where the monument cannot be erected; descend 195 ft. along a steep SW. slope.

48.00 Draw, drains SW.; continue along a general S. slope.

70.00 Spur, projects S.80°W.; descend along a W. slope.

79.12 Proportionate distance; no trace of the original corner of sections 19, 20, 29, and 30; I restore this point as the corner of sections 29 and 30 by proportionate distance between the original $\frac{1}{4}$ section corner of sections 22 and 27, and the corner of sections 19 and 30 on the west boundary, and at record distance from the corner of sections 29, 30, 31, and 32, hereinafter described.

Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock, and in a mound of stone, for the restored corner of sections 29 and 30, only, with brass cap marked

T5S R3E
S20
S30 | S29
1940

Deposit a limestone rock, 8x7x6 ins., marked with a cross (X) at the base of the post.

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

From this point the original corner of sections 29, 30, 31, and 32, marked by a limestone rock, 17x12x10 ins., firmly set in the ground, marked with 5 notches on the east and 1 notch on the south edges, witnessed by a mound of stone to the west, bears S.0°02'E. 80.00 chains. I remonument this point as follows:

Set an iron post, 3 ft. long, 2 ins. diameter, 27 ins. in the ground, for the corner of sections 29, 30, 31, and 32, with brass cap marked

T5S	R3E
S30	S29
S31	S32
1940	

Raise a mound of stone, 3 ft. base, 2 ft. high, west of the post, and deposit the original stone at the base of the post.

Land, rough and broken mountain slopes; drainage S. Soil, shallow mountain loam; 4th rate. Timber, Douglas fir and aspen. Undergrowth, sagebrush and service berry brush. Poor grazing.

From the cor. of secs. 29 and 30 S.89°01'W., on dependent resurvey, along the north boundary of section 30.

.88 Departure of 80.00 chains from the corner of sections 20, 21, 28, and 29.

Set an iron post, 3 ft. long, 2 ins. diameter, 16 ins. in the ground, for the corner of sections 19 and 20, with brass cap marked

T5S	R3E
S19	S20
S30	
1940	

Deposit a limestone rock, 5x4x4 ins., marked with a cross (X) at the base of the post.

4.00 Small draw, drains SW.; ascend along a SE. slope.

8.50 Low spur, projects SW.; descend 450 ft. along a W. slope to draw.

12.30 Trail, bears NW. and SE.

28.90 Main draw, drains SW.; ascend 65 ft. along a SE. slope.

35.00 Spur, projects SW.; descend along a W. slope.

39.56 Proportionate distance; no trace of the original corner can be found.

Set an iron post, 3 ft. long, 1 in. diameter, 18 ins. in the ground to solid rock, and in a mound of stone, for the section corner of section 30, only, with brass cap marked

S30
1940

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

advised

Deposit a limestone rock, 7x5x4 ins., marked with a cross (X) at the base of the post.

40.89 Departure of 40 chains from the corner of sections 19 and 20.

Set an iron post, 3 ft. long, 1 in. diameter, 10 ins. in the ground to solid rock, and in a mound of stone, for the $\frac{1}{2}$ section corner of section 19, only, with brass cap marked

S19

1940

Deposit a limestone rock, 6x3x3 ins., marked with a cross (X) at the base of the post.

Continue along a general SW. slope.

48.10 Draw, drains SW.

52.00 Spur, projects S.60°W.

57.00 Draw, drains S.60°W.

59.30 Draw, drains S.60°W.

72.13 The corner of sections 19 and 20, on the west boundary of the township, marked by an iron post, 3 ins. diameter, firmly set, properly marked and witnessed, as described in the official record.

Land, rough mountain slopes; drainage, SW.
Soil, gravelly to rocky mountain loam; 4th rate.
Timber, aspen, fir and mahogany.
Undergrowth, sagebrush, service berry, choke cherry, weeds and grass.
Good grazing.

Beginning at the corner of sections 19 and 20, heretofore described.

Thence

N.60°E., on original survey, between sections 19 and 20.

Over mountainous land, through scattering timber and a scant undergrowth; ascend along a SW. slope.

7.30 Small draw, drains S.30°W.; ascend 40 ft. along a SE. slope.

10.00 Spur, projects W.; continue along a SW. slope; ascend 450 ft. to the $\frac{1}{2}$ section corner.

11.50 Wash, drains SW.

17.50 Wash, drains SW.

30.60 Low spur, projects SW.; continue along a W. slope.

41.16 Point 40.00 chains in southing from the corner of sections 16, 17, 20, and 21.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for the $\frac{1}{2}$ section corner, with brass cap marked

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

1
S19 | S20

1940

Raise a mound of stone, 3 ft. base, 2 ft. high, west of the post.

Ascend 740 ft. along a general SW. slope to the corner.

45.00 Draw, drains SW.

54.70 Draw, drains SW.

81.16 Point west of the corner of sections 16, 17, 20, and 21, and on the sectional correction line.

Set an iron post, 3 ft. long, 2 ins. diameter, 15 ins. in the ground to solid rock, and in a large mound of stone, for the corner of sections 17; 18, 19, and 20, with brass cap marked

T5S R3E

S18 | S17

S19 | S20

1940

Deposit a limestone rock, 7x5x3 ins., marked with a cross (X) at the base of the post.

Land, rough and broken mountain slopes; drainage, SW. Soil, shallow rocky mountain loam; 3rd rate.

Timber, fir, aspen and mahogany.

Undergrowth, sagebrush, service berry, weeds and grass. Good grazing.

East, on a random sectional correction line, for distance only, between sections 17 and 20.

40.00 Set temporary $\frac{1}{4}$ section corner.

80.10 Intersect the corner of sections 16, 17, 20, and 21.

Thence

West, on a sectional correction line, between sections 17 and 20.

Over rough, mountainous land, through scattering timber and a scant undergrowth; ascend 975 ft. along a steep SE. slope to the witness $\frac{1}{4}$ section corner.

40.05 Point for the $\frac{1}{4}$ section corner falls upon steep slope of loose rock, where the monument cannot be erected.

48.19 On top of a high ridge, bearing NE. and SW.

Set an iron post, 3 ft. long, 1 in. diameter, in a large mound of stone, over a cross (X) cut into the solid rock, for the witness $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$ $\frac{S17}{S20}$ WC

1940

Descend 370 ft. along a SW. slope.

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

and 10

- 56.82 Draw, drains SW.; ascend 75 ft. along a SE. slope.
- 65.70 Spur, projects SW.; descend 745 ft. along a SW. slope.
- 77.50 Draw, drains S.10°E.
- 80.10 The corner of sections 17, 18, 19, and 20.

Land, rough and broken mountain slopes; drainage, SE. and SW. from the ridge at the witness & section corner.
Soil, shallow, rocky mountain loam; 3rd rate.
Timber, fir and aspen.
Undergrowth, sagebrush, weeds and grass.
Poor grazing.

West, on a sectional correction line, between sections 18 and 19.

Over rough, and broken land, through scattering timber and a scant undergrowth; ascend 185 ft. along a SE. slope.

- 11.40 Spur, projects SW.; descend 670 ft. along a NW. slope.
- 26.00 Draw, drains SW.; ascend 150 ft. along a SE. slope.
- 40.00 On the top of a spur, projecting S.10°E.

Set an iron post, 3 ft. long, 1 in. diameter, 15 ins. in the ground to solid rock, and in a mound of stone, for the section corner, with brass cap marked

	S18
+	S19
	1940

Deposit a limestone rock, 7x5x3 ins., marked with a cross (X) at the base of the post.

Descend 570 ft. along a SW. slope.

- 57.00 Draw, drains SW.; ascend 35 ft. along a SE. slope.

- 62.70 Spur, projects SW.; descend 640 ft. along a W. slope.

- 78.04 Intersect the west boundary of the township at a point 2.52 chains north of the original corner of sections 18 and 19, marked by an iron post, 3 ins. diameter, firmly set, properly marked and witnessed as described in the official record. This point now becomes an angle point and I remark it as such.

At the point of intersection.

Set an iron post, 3 ft. long, 2 ins. diameter, 18 ins. in the ground to solid rock, and in a mound of stone, for the closing corner of sections 18 and 19, with brass cap marked

	T53	
R2E	R3E	
	S18	
S24	S19	CC
	1940	

Deposit a limestone rock, 6x4x2, marked with a cross (X) at the base of the post.

..SUBDIVISION OF T. 5 S., R. 3 E.

Chains

Land, rough and broken mountain slopes; drainage SW.
Soil, rocky mountain loam; 3rd rate.
Timber, fir, aspen and mahogany.
Undergrowth, sagebrush, service berry, weeds and grass.
Fair grazing.

Establishment of the $\frac{1}{4}$ section corner of section 19 on the west boundary.

At a point 2.52 chains north of the original $\frac{1}{4}$ section corner of section 19 on the west boundary of the township, an iron post, 1 in. diameter, firmly set, properly marked and witnessed as described in the official record, and at a southing of 40.00 chains from the closing corner of sections 18 and 19, heretofore described.

Set an iron post, 3 ft. long, 1 in. diameter, 18 ins. in the ground to solid rock, and in a mound of stone, for the $\frac{1}{4}$ section corner of section 19, with brass cap marked

1/4 S19

1940

Deposit a limestone rock, 7x6x6 ins., marked with a cross (X) at the base of the post.

As the original $\frac{1}{4}$ section corner now becomes an angle point, I obliterate the original marks, and remark it AP.

Beginning at the corner of sections 17, 18, 19, and 20.

Thence

N.0°01'W., between sections 17 and 18.

Over rough, mountainous land, through scattering timber and a scant undergrowth; ascend 590 ft. along a steep SW. slope.

38.25 Ridge, bears NW. and SE., trail along top; descend along a NE. slope.

38.34 On ridge

Set an iron post, 3 ft. long, 1 in. diameter, 15 ins. in the ground to solid rock, and in a large mound of stone, for the witness $\frac{1}{4}$ section corner, with brass cap marked

W C

S18 S17

1940

Deposit a quartzite stone, 7x5x3 ins., marked with a cross (X) at the base of the post.

40.00 Point for the $\frac{1}{4}$ section corner falls upon steep slope of loose rock, where the monument cannot be erected.

Descend 1210 ft. along a steep N. slope, over snow field.

80.00 Set a temporary point; the point for the corner of sections 7, 8, 17, and 18, falls upon deep snow bank, and the monument cannot be established.

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

Land, rough and broken mountain slopes; drainage, SW. and NE., from the ridge at the witness $\frac{1}{4}$ section corner. Soil, shallow rocky mountain loam; 4th rate. Timber, fir and aspen. Undergrowth, sagebrush, weeds and grass. Poor grazing.

Beginning at the true point for the corner of sections 7, 8, 17, and 18.

East, on a random line, between sections 8 and 17.

40.00 Set temporary $\frac{1}{4}$ section corner.

30.06 Intersect the north and south line at a point 14 links south of the corner of sections 8, 9, 16, and 17.

S.89°54'W., on true line, between sections 8 and 17.

Over rough, mountainous land, through scattering timber and a scant undergrowth; ascend 875 ft. along a SE. slope over ledges.

17.50 Ridge, bears NE. and SW.; descend 460 ft. along a W. slope.

34.00 Draw, drains N.; ascend 95 ft. along a NE. slope.

40.03 Set an iron post, 3 ft. long, 1 in. diameter, 17 ins. in the ground, and in a large mound of stone, for the $\frac{1}{4}$ section corner, with brass cap marked

$$\begin{array}{r} \text{S } 8 \\ \frac{1}{4} \text{ } \\ \hline \text{S } 17 \\ 1940 \end{array}$$

Deposit a limestone rock, 7x6x5 ins., marked with a cross (X) at the base of post.

From this point a small spring of good water bears 11.75 chains N.15°00'W.; a small lake bears 14.50 chains N.51°15'E.; a second lake bears 4.40 chains N.20°15'E.

Ascend 1230 ft. along a SE. slope, over ledges.

33.00 Point of high, rocky ledge, bearing SE. and SW.; descend 390 ft. along a steep slope, over ledges.

30.06 True point for
The corner of sections 7, 8, 17, and 18.

Land, rough and broken slopes; drainage, NE. Soil, shallow rocky mountain loam; 4th rate. Timber, fir and aspen. Undergrowth, sagebrush, weeds and grass. Fair grazing.

Beginning at the true point for the corner of sections 7, 8, 17, and 18.

Thence

sectional correction
West, on / line, between sections 7 and 18.

Over rough and broken land, through widely scattered timber and a scant undergrowth; ascend 985 ft. along a broken NE. slope, over ledges.

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

27.76

Point on the top of a high and rugged ridge, projecting NW. and SE. From this point the U. S. Coast and Geodetic Survey station Timpanogos, a brass tablet firmly set in stone, conforming to the record, bears S.19°56'E. 5.72 chains distant. Descend 375 ft. along a W. slope. Trail from Timpanogos to Timpaneke Ranger Station along top of ridge.

40.00

On a steep W. slope.

Set an iron post, 3 ft. long, 1 in. diameter, 12 ins. in the ground to solid rock, and in a large mound of stone, for the $\frac{1}{4}$ section corner, with brass cap marked,

$$\begin{array}{r} \frac{1}{4} \frac{S7}{S18} \\ 1940 \end{array}$$

Deposit a limestone rock, 6x4x2 ins., marked with a cross (X) at the base of the post.

Descend 700 ft. along a W. slope.

77.83

Intersect the west boundary of the township at a point 2.70 chains north of the true point, and 4.52 chains north of the witness corner of sections 7 and 18, marked by an iron post, 3 ins. diameter, firmly set, properly marked and witnessed, as described in the official record; since this now becomes an angle point, I obliterate the original markings, and remark it AP.

At the point of intersection.

Set an iron post, 3 ft. long, 2 ins. diameter, 14 ins. in the ground to solid rock, and in a mound of stone, for the closing corner of sections 7 and 18, with brass cap marked

$$\begin{array}{r} T5S \\ R2E R3E \\ S13 \frac{S7}{S18} CC \\ 1940 \end{array}$$

Deposit a limestone rock, 9x7x6 ins., marked with a cross (X) at the base of the post.

Land, rough and broken mountain slopes; drainage, NE. and W. from the ridge at the 27.76 chain point.

Soil, shallow mountain loam; 4th rate.

Timber, fir, mahogany and aspen.

Undergrowth, sagebrush, mountain rush, weeds and grass.

Poor grazing.

Establishment of the $\frac{1}{4}$ section corner of section 18 on the west boundary.

At a point midway between the closing corners of sections 7 and 18, and of sections 18 and 19, and 2.61 chains north of the original $\frac{1}{4}$ section corner of section 18, marked by an iron post, 1 in. in diameter, firmly set, properly marked and witnessed as described in the official record; as this now becomes an angle point, I obliterate the original markings, and remark it AP.

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

chains

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for the 1/2 section corner of sections 18, only, with brass cap marked

AS18
1940

Raise a mound of stone, 3 ft. base, 2 ft. high, east of the post.

Beginning at the true point for the corner of sections 7, 8, 17, and 18.

Thence

N. 60° 01' E., on true line, between sections 7 and 8.

Over rough and broken land, through widely scattered timber and a scant undergrowth; descend 45 ft. along a N. slope.

5.90 South edge of Emerald Lake, edge bears about 1.50 chains NE. to end, and about 4.50 chains SW. to end.

5.80 South edge of point of land in the lake, bears NE. and SW.

6.35 Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for the witness corner of sections 7, 8, 17, and 18, with brass cap marked

T53 R3E
S7 | S8
S18 | S17
N C
1940

Raise a mound of stone, 4 ft. base, 3 ft. high, west of the post.

6.90 North edge of the point of land, bears NE. and SW.

9.50 North edge of lake, bears N. 60° E. and SW.

10.40 Trail, bears NE. and SW., Aspen Grove to Timpanogos Peak; ascend 275 ft. along a SE. slope.

34.68 On a ridge, bearing NE. and SW.

Set an iron post, 3 ft. long, 1 in. diameter, in a large mound of stone, over a cross (X) cut into bedrock, for the witness 1/2 section corner, with brass cap marked

N C
S7 | S8
1940

Descend 795 ft. along a steep NW. slope, over ledges.

40.00 Point for the 1/2 section corner falls in slide rock.

50.00 Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for the corner of sections 5, 6, 7, and 8, with brass cap marked

Chains

T5S R3E

S6 S5

S7 S8

1940

Raise a mound of stone, 3 ft. base, 2 ft. high, west of the post.

Land, rough and broken mountain slopes; drainage NE. and NW. from the ridge at the witness $\frac{1}{4}$ section corner.
Soil, shallow mountain loam; 3rd rate.
Timber, fir, aspen and mahogany.
Undergrowth, sagebrush, mountain rush, weeds and grass.
Fair grazing.

N.89°54'E., on a random line, between sections 5 and 8.

36.46 Set temporary witness $\frac{1}{4}$ section corner.

80.02 Intersect the north and south line at a point 14 links north of the corner of sections 4, 5, 8, and 9.

Thence

West, on true line, between sections 5 and 8.

Over rough and broken land, through scattering timber and a scant undergrowth; descend 15 ft. along a SW. slope.

1.00 Draw, drains S.; ascend 1150 ft. along a broken SE. slope to the witness $\frac{1}{4}$ section corner.

9.75 Trail, bears NE. and SW.

11.20 Recross trail, bears N.60°E. and S.60°W.

40.01 Point for the $\frac{1}{4}$ section corner falls upon steeply sloping talus slope, where the monument cannot be erected.

43.46 On top of a small spur, projecting SE.

Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a mound of stone, for the witness $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$ $\frac{S5}{S8}$ WC
1940

Deposit a quartzite rock, 6x4x4 ins., marked with a cross (X) at the base of the post.

Ascend 890 ft. along an E. slope.

64.50 Ridge, bears NE. and SW.; descend 775 ft. along a NW. slope.

80.02 The corner of sections 5, 6, 7, and 8.

Land, rough and broken mountain slopes; drainage E. and NW. from the ridge at the 64.50 chain point.
Soil, shallow, rocky mountain loam; 4th rate.
Timber, sagebrush, service berry, choke cherry, weeds and grass.
Fair grazing.

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

West, on true line, between sections 6 and 7.

Over mountainous land, through scattering timber and a scant undergrowth; descend 325 ft. along a NW. slope.

9.00 Draw, drains N.; ascend 425 ft. along a broken NE. slope to the $\frac{1}{4}$ section corner.

12.50 Trail, bears N. and S. Timp neke Ranger Station to Mount Timpanogos

13.50 Recross trail, bears N.60°W. and S.60°E.

15.00 Recross trail, bears NW. and SE.

40.00 On a N. slope.

Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a mound of stone, for the $\frac{1}{4}$ section corner, with brass cap marked

36
—
37
1940

Deposit a limestone rock, 9x7x5 ins., marked with a cross (X) at the base of the post.

Ascend 935 ft. along a NE. slope.

77.62 Intersect the west boundary of the township at a point 2.70 chains north of the true point, and 7.33 chains north of the original witness corner of sections 6 and 7, an iron post, 3 ins. diameter, firmly set, properly marked and witnessed, as described in the official record. As the true point for the closing corner is not accessible, I add the letters CC to the original witness corner, and rebuild the mound of stone. The witness corner now stands 7.33 chains south of the true point, for the closing corner of secs. 6 and 7.

Land, rough and broken mountain slopes; drainage N. Soil, rocky mountain loam; 2nd rate.

Timber, aspen, fir and mahogany.

Undergrowth, sagebrush, service berry, choke cherry, weeds and grass.

Good grazing.

Establishment of the $\frac{1}{4}$ section corner on the west boundary of section 7.

At a point midway between the closing corners of sections 6 and 7, and of sections 7 and 18, and at a point 2.70 chains north of the original $\frac{1}{4}$ section corner of section 7 on the west boundary, marked by an iron post, 1 in. in diameter, firmly set, properly marked and witnessed as described in the official record; as this latter point becomes an angle point, I obliterate the original marks and remark it AP.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for the $\frac{1}{4}$ section corner of section 7, with brass cap marked

37

1940

Raise a mound of stone, 3 ft. base, 2 ft. high, east of the post.

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

Establishment of the $\frac{1}{4}$ section corner of section 6 on the west boundary of the township.

At a point 29.83 chains south of the original witness point for the $\frac{1}{4}$ section corner of sections 1 and 6, and 2.41 chains south of the true point for the $\frac{1}{4}$ section corner, which is 40 chains north of the closing corner of sections 6 and 7.

Set an iron post, 3 ft. long, 1 in. diameter, 6 ins. in the ground to solid rock, and in a large mound of stone, for the witness $\frac{1}{4}$ section corner of section 6, only, with brass cap marked

WC
| S6
1940

Deposit a limestone rock, 7x5x3 ins., marked with a cross (X) at the base of the post.

Beginning at the corner of sections 5, 6, 7, and 8.

Thence

N.0°01'W., on true line, between sections 5 and 6.

Over mountainous land, through scattering timber and a scant undergrowth; descend 1025 ft. along a broken NW. slope, over a series of ledges.

40.00 Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a mound of stone, for the $\frac{1}{4}$ section corner, with brass cap marked

S6 | S5
1940

Deposit a limestone rock, 6x4x2 ins., marked with a cross (X) at the base of the post.

Descend 645 ft. along a steep NW. slope, over ledges.

75.88 Intersect the north boundary of the township at a point 8.21 chains east of the corner of sections 31 and 32, T. 4 S., R. 3 E., an iron post, 2 ins. diameter, firmly set, properly marked and witnessed, as described in the official record.

At the point of intersection.

Set an iron post, 3 ft. long, 2 ins. diameter, 27 ins. in the ground, for the closing corner of sections 5 and 6, with brass cap marked

T4S R3E
S32
S6 | S5
T5S
CC
1940

from which

A Douglas fir, 12 ins. diameter, marked T5S R3E S6 CC BT, bears S.66°00'W., 75 links distant.

SUBDIVISION OF T. 5 S., R. 3 E.

Chains

enlnd0

No other suitable tree available for marking.

Land, rough and broken canyon side; drainage, NW.
Soil, shallow, rocky mountain loam; 4th rate.
Timber, Douglas fir, aspen and mahogany.
Undergrowth, sagebrush, choke cherry, service berry,
weeds and grass.
Good grazing.

Establishment of the $\frac{1}{2}$ section corner on the north boundary of section 5.

At a point 16.12 chains east of the witness $\frac{1}{2}$ section corner of section 32 on the north boundary of the township, an iron post, 1 in. diameter, firmly set, properly marked and witnessed, as described in the official record, and at a point 2.65 chains east of the point midway between the closing corners of sections 4 and 5, and of sections 5 and 6,

Set an iron post, 3 ft. long, 1 in. diameter, 25 ins. in the ground, for the witness $\frac{1}{2}$ section corner of section 5, only, with brass cap marked

WC
 $\frac{1}{2}$ S5
1940

Raise a mound of stone, 3 ft. base, 2 ft. high, south of the post. This corner is located on the east side of the top of a high ridge bearing N. and S.

Establishment of the $\frac{1}{2}$ section corner of section 6 on the north boundary of the township.

At a point 8.21 chains east of the $\frac{1}{2}$ section corner of section 31, T. 4 S., R. 3 E., an iron post, 1 in. diameter firmly set, properly marked and witnessed, as described in the official record, and 40.00 chains west of the closing corner of sections 5 and 6, heretofore described.

Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground, to solid rock, and in a mound of stone, for the $\frac{1}{2}$ section corner of section 6, only, with brass cap marked

$\frac{1}{2}$ S6
1940

Deposit a limestone rock, 7x5x5 ins., marked with a cross (X) at the base of the post.

GENERAL DESCRIPTION.

The land in the area covered by the survey is the high mountainous country immediately surrounding Mount Timpanogas. This peak, having an elevation of approximately 13,000 feet above sea level, rises about 3500 feet above the surrounding land. The land is very rough and covered with ledges. The drainage to the south and east is into the Provo River; the northern part of the township drains

GENERAL DESCRIPTION.

into American Fork Canyon; and a narrow strip along the west drains into Utah Valley.

In the higher reaches there is a fair stand of Douglas fir, and this, together with aspen and mahogany, comprises the major part of the timber. The timber has been cut for lumber in the past, but it now appears too scanty and hard to get into to be of any great commercial value.

The vegetation throughout the township is fairly dense, and consists of sagebrush, service berry, choke cherry, weeds, grass and browse. It affords good grazing, and is being so utilized now. The entire area is in the Wasatch National Forest.

The soil is of a very good grade of mountain loam, and contains a considerable amount of humus. It is, however, rocky in most places and, as there are no level areas, there is no possibility of cultivation.

Most of the larger draws have small streams of good water, and many springs, lakes and seeps were noted.

The Forest Service camp area of Aspen Grove is located in the northeast quarter of section 9, and the southeast quarter of section 4. The camp has been very well developed and affords space for a considerable number of campers. Two trails lead to the top of Mount Timpanogos, one from Aspen Grove, and the other from Timpaneke Ranger Station in American Fork Canyon. Timpanogos Station, of the United States Coast and Geodetic survey, is tied in from the line between sections 7 and 18. A road through Aspen Grove, connecting the North Fork of the Provo River and American Fork Canyon, passes through the northeast corner of the area.

There are no settlers living in the area.

The mean magnetic declination was not taken on account of a defective needle.

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4-680
(Revised May 1934)

[illegible]

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

I, Robert C. Yundt, HEREBY CERTIFY upon honor that
 pursuant of special instructions bearing date of the 20th day of July, 1941,
 received from the district cadastral engineer for Utah, with assignment
independently resurveyed and
 instructions dated June 1, 1940, I have surveyed a portion of the subdivisional
lines of Township 5 South, Range 3 East- completing the subdivision

 of the Salt Lake Meridian, in the State of Utah, which are
 represented in the foregoing field notes as having been executed by me and under my direction; and that said
 survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey
 of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.
Salt Lake City, Utah, May 1, 1941

Robert C. Yundt

 Assistant Cadastral Engineer
 (formerly surveyor)

CERTIFICATE OF APPROVAL

OFFICE OF U.S. SUPERVISOR OF SURVEYS,
 Denver, Colorado, December 2, 1942.

The foregoing field notes of the survey of the dependent resurvey and survey of portions
of Township 5 South, Range 3 East, Salt Lake Meridian, Utah, completing the sub-
division

 executed by Robert C. Yundt, Surveyor,
 under special instructions dated July 20, 1925, and assignment
 instructions dated June 1, 1940, having been critically examined, and
 the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey
 therein described, are hereby approved.

Quentin J. Brown

 U.S. Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~

~~is a true copy of the original field notes on file in the public survey office.~~

~~U.S. Supervisor of Surveys.~~

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BOOK A-516

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FEB - 6 1933

Department Of The Interior

Public Survey Office

Salt Lake City, Utah

FIELD NOTESOF THE ~~SURVEY OF THE~~

Dependent resurvey of the Salt Lake Base Line, through R. 8 E.;

Retracement of portion of Salt Lake Base Line, through R. 7 E.

Dependent resurvey of west boundary of T. 1 S., R. 8 E., and

Survey of the subdivision of T. 1 S., R. 8 E.,

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Ralph Gentry,

in the capacity of ~~U. S. Surveyor~~ Cadastral Engineer, under Special Instructions dated March 27, 1926,

issued by the District Cadastral Engineer to govern surveys included in Group

No. 174, Utah, which were approved by the Commissioner of the General Land

Supplemental

Office, April 15, 1926, and Assignment Instructions dated May 8, 1930, and Supplemental Assignment Instructions dated August 3, 1931.

Survey commenced July 14, 1930

Survey completed September 12, 1931

BOOK A-516

INDEX DIAGRAM.

Township 1 South, Range 8 East.											
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21	79	65	55	44	32	18	78	77	65	54	43
19	77	63	53	41	30	24	75	75	63	52	40
17	74	61	51	39	28	25	73	72	61	50	38
16	71	60	48	37	26	26					

chains

DESCRIPTION AND TEST OF INSTRUMENTS.

The survey was executed with a Buff and-Buff solar transit No. 8028, property of the General Land Office. The instrument has a full vertical circle and is equipped with the Smith solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other and reads to single minutes of arc which is also the least count of the verniers of the vertical circle and the latitude and declination arcs. The instrument was in good condition and was approved for use in this survey, conditional upon satisfactory field tests, by the district cadastral engineer for Utah, in supplemental assignment instructions dated May 8, 1930, and August 3, 1931. I examine all the instrumental adjustments before making the field tests hereinafter described.

The directions of the lines surveyed were determined by the solar transit method. The measurements were made with a Lallie steel tape, 5 chains in length, graduated every link for first 100 links, and the balance at intervals of 10 links. The tape was tested by comparison with a Lufkin standard steel tape 1 chain long and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained by a clinometer in good adjustment; the horizontal equivalents are entered in the field record.

The data furnished with the special instructions gives the position for the southeast corner of the T_o., as follows:- latitude 40°41'N., and longitude 110°59'W.

July 14, 1930, in camp located in the SW_{1/4} of SW_{1/4} of sec. 36, T. 1 S., R. 8 E., Salt Lake Meridian, at 4h 6m 36s. a.m., l.m.t., or 4h 29m 44s a.m., by my watch which is 23m 08s fast of l.m.t., I make an hour angle observation on Polaris east of the meridian, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg driven firmly in the ground about 8 chains N. After sunrise, I lay off the azimuth of Polaris, 0° 45' to the west, and note a tree on a ridge about half a mile N., that is in the meridian thus determined.

In order to verify the latitude of this station and the reading of my watch, I make a meridian observation of the sun, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb as follows:-

Mean observed altitude -----	71° 02' 30"
Reduced latitude -----	40° 40' 50"N.
Mean watch time of observation-----	12h 28m 46s
Watch fast of local mean time -----	0h 23m 08s

Every 30 minutes from 7h 30m to 10h 30m a.m., and from 1h 30m to 4h 30m p.m., I make proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a maximum error of less than 1' 30".

Field work on this township was suspended on Sept. 15, 1930 and resumed Aug. 26, 1931.

Near the end of field work in 1930, I test the solar apparatus by comparing its indication with the true meridian established by observations on Polaris as

DESCRIPTION AND TEST OF INSTRUMENT T. 1 S., R. 8 E.

Chains

follows:-

Sept. 13, 1930, at my camp located in the SW. $\frac{1}{4}$ of SW. $\frac{1}{4}$ of sec. 7, T. 1 S., R. 8 E., at 8h 11.7m p.m., l.m.t., I observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined on a peg driven firmly in the ground about 7 chs. N.

Sept. 14, I lay off the azimuth of Polaris, $1^{\circ} 25'$ to the W., and note a tree about 1 mile to the S. on ridge that is in the meridian thus determined.

At 8h 30m a.m., app. t., I set off $40^{\circ} 44'N.$ on the lat. arc; $3^{\circ} 33'N.$ on the decl. arc., and determine a meridian with the solar, which I find to agree with the true meridian.

At app. noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is $3^{\circ} 29'N.$, which agrees with the computed decl. of the sun.

At 3h 30m p.m., with the lat. arc unchanged, I set off $3^{\circ} 26'N.$, on the decl. arc, and determine a meridian with the solar which I find to agree with the true meridian.

On resuming the survey of T. 1 S., R. 8 E., in 1931, I examine all the instrumental adjustments of the instrument and test the solar apparatus by comparing its indications with a meridian established by observations on Polaris as follows:-

Aug. 26, 1931, at my camp located in the SW. $\frac{1}{4}$ of SW. $\frac{1}{4}$ of sec. 7, T. 1 S., R. 8 E., at 4h p.m., app. t., I set off $40^{\circ} 44'N.$, on the lat. arc; $10^{\circ} 31'N.$ on the decl. arc, and determine a meridian with the solar, noting a tree on a ridge about 1 mile S., in the meridian thus determined.

At 9h 23.7m p.m., l.m.t., I observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg driven firmly in the ground about 8 chs. S..

Aug. 27; I lay off the azimuth of Polaris, $1^{\circ} 24\frac{1}{2}'$ to the west, and note that the tree on ridge about 1 mile S. is in the meridian thus determined, which agrees with the solar.

At 8h a.m., app. t., I set off $40^{\circ} 44'N.$ on the lat. arc; $10^{\circ} 17'N.$ on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

I test the arcs daily, weather conditions permitting, by noon observations, and verify the meridional indications at frequent intervals throughout the survey.

The observed magnetic declination is $16^{\circ}30'E.$

DEPENDENT RESURVEY OF SALT LAKE BASE LINE THROUGH R. 8 E.

Chains

Reestablishment of surveys executed by
A. Jessen, U.S. deputy surveyor in 1893.

RANDOM LINES.

From the standard SE. cor. of T. 1 N., R. 8 E., as
described in the field notes of survey of T. 1 N., R.
9 E., this group; thence

West, along S. bdy. of sec. 36.

39.70 Fall 21 lks. N. of the standard $\frac{1}{4}$ sec. cor., hereinafter
described.

The course of this half mile therefore is S. $89^{\circ} 42' W.$,
and the dist. is 39.70 chs.

From the standard $\frac{1}{4}$ sec. cor.

West, with continuous measurement.

79.02 Fall 21 lks. N. of the standard cor. of secs. 35 and 36,
hereinafter described.

The course of this half mile therefore is S. $89^{\circ} 42' W.$,
and the dist. is 39.32 chs.

From the standard cor. of secs. 35 and 36.

West, along S. bdy. of sec. 35.

40.00 Set temp. $\frac{1}{4}$ sec. cor.; no evidence of old cor. found.

78.63 Fall 101 lks. N. of the standard cor. of secs. 34 and 35,
hereinafter described.

The course of this mile therefore is S. $89^{\circ} 16' W.$, and
the dist. is 78.64 chs.

From the standard cor. of secs. 34 and 35.

West, along S. bdy. of sec. 34.

39.87 Fall 36 lks. S. of the standard $\frac{1}{4}$ sec. cor., hereinafter
described.

The course of this half mile therefore is N. $89^{\circ} 29' W.$,
and the dist. is 39.87 chs.

From the standard $\frac{1}{4}$ sec. cor.

West, with continuous measurement.

79.82 Fall 85 lks. N. of the standard cor. of secs. 33 and 34,
hereinafter described.

The course of this half mile therefore is S. $88^{\circ} 47' W.$,
and the dist. is 39.98 chs.

DEPENDENT RESURVEY OF SALT LAKE BASE LINE THROUGH R. S. E.

Chains	
	From the standard cor. of secs. 33 and 34. West, along S. bdy. of sec. 33.
40.25	Fall 2 lks. N. of the standard $\frac{1}{4}$ sec. cor., hereinafter described. The course of this half mile therefore is S. $89^{\circ} 58' W.$, and the dist. is 40.25 chs. From the standard $\frac{1}{4}$ sec. cor. West, with continuous measurement.
39.24	Fall 81 lks. N. of the standard cor. of secs. 32 and 33, hereinafter described. The course of this half mile therefore is S. $88^{\circ} 50' W.$, and the dist. is 40.00 chs. <hr/> From the standard cor. of secs. 32 and 33. West, along S. bdy. of sec. 32.
41.12	Fall 30 lks. S. of the standard $\frac{1}{4}$ sec. cor., hereinafter described. The course of this half mile therefore is N. $89^{\circ} 35' W.$, and the dist. is 41.12 chs. From the standard $\frac{1}{4}$ sec. cor. West, with continuous measurement.
39.98	Fall 40 lks. N. of the standard cor. of secs. 31 and 32, hereinafter described. The course of this half mile therefore is S. $89^{\circ} 26' W.$, and the dist. is 39.96 chs. <hr/> From the standard cor. of secs. 31 and 32. West, along S. bdy. of sec. 31.
37.35	Fall 41 lks. S. of the standard $\frac{1}{4}$ sec. cor., hereinafter described. The course of this half mile therefore is N. $89^{\circ} 22' W.$, and the dist. is 37.35 chs. From the standard $\frac{1}{4}$ sec. cor. West, with continuous measurement.
76.72	Fall 51 lks. N. of the standard cor. of T. 1 N., Rs. 7 and 8 E., hereinafter described. The course of this half mile therefore is S. $89^{\circ} 16' W.$, and the dist. is 39.37 chs.

DEPENDENT RESURVEY OF SALT LAKE BASE LINE THROUGH R. 8 E.

Chains	TRUE LINES.
	From the standard SE. cor. of T. 1 N., R. 8 E.; thence S. 89° 42' W., along S. bdy. of sec. 36.
	Descend SW. slope over mountainous land, through medium dense aspen and scattered lodgepole timber, and undergrowth of chokecherry, service berry and sagebrush.
11.60	Weber River, stream of clear water, 30 lks. wide, 8 ins. deep, in canyon 135 ft. below Tp. cor., drains NW.; thence along N. slope.
18.00	Ascend NE. slope.
20.20	Trail, brs. NW. and SE.
20.71	Mean dist. in easting and westing bet. the closing cor. of T. 1 S., Rs. 8 and 9 E., as described in the field notes of survey of T. 1 S., R. 9 E., this group, and the closing cor. of secs. 1 and 2.
	Set an iron post, 3 ft. long, 1-in. diam., 16 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., sec. 1 only, with brass cap marked
	$\frac{1}{4}$ S 1
	1930 from which
	A lodgepole, 7 ins. diam., brs. S. 68° E., 31 lks. dist., marked $\frac{1}{4}$ S 1 BT.
	An aspen, 8 ins. diam., brs. S. 24° W., 14 lks. dist., marked $\frac{1}{4}$ S 1 BT.
24.00	Top of ascent, 200 ft. above canyon, slopes N.; thence along N. slope.
29.10	Draw, 10 ft. below top of ascent, drains N. 20° E.; ascend E. slope.
35.00	Point of spur, 220 ft. above draw, projects N.; descend W. slope, enter medium dense lodgepole, spruce, balsam and scattered aspen timber, brs. N. and S.
39.70	The standard $\frac{1}{4}$ sec. cor., which is quartzite, 12x10x8 ins., marked $\frac{1}{4}$ on N. face, and firmly set in the ground. Cor. is witnessed by a mound of stone to the N.
	Alongside of cor.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with brass cap marked
	SC $\frac{1}{4}$ S 36
	1930 from which
	An aspen, 5 ins. diam., brs. N. 29° E., 7 lks. dist., marked $\frac{1}{4}$ S 36 SC BT.
	A lodgepole, 10 ins. diam., brs. N. 30° 30' W., 104 lks. dist., marked $\frac{1}{4}$ S 36 SC B T.

DEPENDENT RESURVEY OF SALT LAKE BASE LINE THROUGH RA 82E.

Chains

Cor. stands on W. slope, 130 ft. below spur.

55.00 Bottom of canyon, 300 ft. below $\frac{1}{4}$ sec. cor., brs. N. and S.; thence over rolling bottom of canyon, entering dense willows and scattered lodgepole.

58.80 Middle Fork of Weber river, stream of clear water, 30 lks wide, 6 ins. deep, drains N. 10°E.

60.80 The closing cor. of secs. 1 and 2 is subsequently established at this point.

65.00 Trail, brs. N. and S.

72.00 Ascend E. slope, leaving canyon, brs. N. and S.; enter medium dense aspen and scattered lodgepole, spruce and balsam timber.

79.02 The standard cor. of secs. 35 and 36, which is a sandstone, 18x12x8 ins., firmly set in the ground and marked 5 notches on W., and 1 notch on E, edge and SC on N. side. Cor. is witnessed by a mound of stone to the N.

Alongside of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground and in a mound of stone to top, with brass cap marked

SC	
T1N	R8E
S35	S36

1930

from which

A lodgepole, 10 ins. diam., brs. N. 26°E., 37 lks. dist., marked T 1 N R 8 E S 36 SC BT.

A lodgepole, 12 ins. diam., brs. N. 64°W., 7 lks. dist., marked T 1 N R 8 E S 35 SC BT.

Cor. stands on E. slope, 220 ft. above canyon.

Land, mountainous; N. and NW. exposure and drainage.

Soil, rocky mountain loam; 3rd rate.

Timber, aspen, lodgepole, spruce and balsam.

Undergrowth, chokecherry, service berry, sagebrush, willows and young pine. Medium growth of grass and weeds. Good grazing land.

S. 89° 16'W., along S. bdy. of sec. 35.

Ascend NE. slope over mountainous land, through medium dense aspen and scattered lodgepole, spruce and balsam timber, and undergrowth of laurel and chokecherry.

19.00 Top of ascent, 420 ft. above sec. cor., slopes N.; descend along N. slope.

21.86 $\frac{1}{2}$ Mean dist. bet. the closing cor. of secs. 1 and 2, and the closing cor. of secs. 2 and 3.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., sec. 2 only, with brass

DEPENDENT RESURVEY OF SALT LAKE BASE LINE THROUGH R. 8 E.

chains

cap marked

$\frac{1}{4}$ S 2

1930

from which

A balsam, 6 ins. diam., brs. S. 70°E., 30 lks.

dist., marked $\frac{1}{4}$ S 2 B T.

A lodgepole, 6 ins. diam., brs. S. 50°W., 24 lks.

dist., marked $\frac{1}{4}$ S 2 B T.

39.32 Proportionate point, on N. slope, 150 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground on solid rock and in a mound of stone to top, for standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S 35

1930

from which

A lodgepole, 6 ins. diam., brs. N. 64°E., 7 lks.

dist., marked $\frac{1}{4}$ S 35 SC BT.

A lodgepole, 6 ins. diam., brs. N. 74°W., 35 lks.

dist., marked $\frac{1}{4}$ S 35 SC BT.

43.00 Foot of descent, 15 ft. below $\frac{1}{4}$ sec. cor., drains N.; ascend.

49.50 Top of ascent, 45 ft. above foot of descent, slopes N.; descend NW. slope.

59.75 Stream of clear water, 15 lks. wide, 3 ins. deep, in Gardner's Canyon, 100 ft. below top of ascent, drains NE.; ascend SE. slope.

61.95 Point for the closing cor. of secs. 2 and 3, subsequently established.

66.00 Trail, brs. NE. and SW.

78.64 The standard cor. of secs. 34 and 35, which is a red quartzite, 12x10x6 ins., firmly set in the ground and marked 4 notches on W., and 2 notches on E. edge, and SC on N. side. Cor. is witnessed by a mound of stone to the N.

Alongside of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with brass cap marked

SC
T1N | R8E
S34 | S35

1930

from which

A spruce, 8 ins. diam., brs. N.28°30'E., 118 lks. dist., marked T 1 N R 8 E S 35 SC BT.

A spruce, 12 ins. diam., brs. N.73°30'W., 100 lks. dist., marked T 1 N R 8 E S 34 SC BT.

DEPENDENT RESURVEY OF SALT LAKE BASE LINE THROUGH

Chains

antenn

Cor. stands on SE. slope, 280 ft. above canyon.

Land, mountainous; NE. exposure and drainage.

Soil, rocky mountain loam; 2nd to 3rd rate.

Timber, aspen, lodgepole, spruce and balsam.

Undergrowth, mountain laurel; and chokecherry; medium growth of grass and weeds. Good grazing land.

N. $89^{\circ} 29' W.$, along S. bdy. of sec. 34.

Ascend SE. slope over mountainous land, through medium dense timber and undergrowth.

4.50 Trail, hrs. N. $60^{\circ} E.$, and S. $60^{\circ} W.$

23.29 Mean point bet. the closing cor. of secs. 2 and 3, and 3 and 4, on SE. slope, 470 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., sec. 3 only, with brass cap marked

$\frac{1}{4}$ S 3

1930

from which

A balsam, 12 ins. diam., hrs. S. $62^{\circ} E.$, 14 lks. dist., marked $\frac{1}{4}$ S 3 B T.

A lodgepole, 7 ins. diam., hrs. S. $71^{\circ} W.$, 39 lks. dist., marked $\frac{1}{4}$ S 3 B T.

39.37 The standard $\frac{1}{4}$ sec. cor., which is a sandstone, $14 \times 10 \times 6$ ins., firmly set in the ground and marked SC $\frac{1}{4}$ on N. face, from which

A spruce, 20 ins. diam., hrs. S. $41^{\circ} W.$, 30 lks. dist., marked $\frac{1}{4}$ S B T.

Alongside of cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground with brass cap marked

SC
 $\frac{1}{4}$ S 34

1930

from which

A spruce, 12 ins. diam., hrs. N. $45^{\circ} 30' E.$, 95 lks. dist., marked $\frac{1}{4}$ S 34 SC BT.

A lodgepole, 8 ins. diam., hrs. N. $72^{\circ} W.$, 26 lks. dist., marked $\frac{1}{4}$ S. 34 SC BT.

Cor. stands on SE. slope, 180 ft. above $\frac{1}{4}$ sec. cor. sec. 3.

Thence,

S. $89^{\circ} 47' W.$, with continuous measurement.

DEPENDENT RESURVEY OF SALT LAKE BASE LINE THROUGH R. 8 E.

hains

63.27

Point for the closing cor. of secs. 3 and 4, subsequently established.

76.00

Ridge, 590 ft. above $\frac{1}{4}$ sec. cor., sec. 34, brs. NE. and S. 70°W.; thence along rolling N. slope.

79.83

The standard cor. of secs. 33 and 34, which is a limestone, 14x10x8 ins., set in a mound of stone and marked 3 notches on E. and W. side, and SC on N. side.

At true point for cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with original cor. alongside, for standard cor. of secs. 33 and 34, with brass cap marked

SC
T1N | R8E
S33 | S34

1930 from which

A spruce, 8 ins. diam., brs. N.32°45'E., 48 lks. dist.; marked T 1 N R 8 E S 34 SC BT.

A spruce, 10 ins. diam., brs. N.18°30'W., 70 lks. dist., marked T 1 N R 8 E S 33 SC BT.

Land, mountainous; steep slopes.

Soil, rocky mountain loam; 3rd rate.

Timber, lodgepole, spruce, balsam and aspen.

Undergrowth, scattered short brush; medium growth of grass and weeds. Good grazing land.

S. 89° 58'W., along S. bdy. of sec. 33.

Along gentle N. slope over rolling mountainous land, through scattered clumps of timber and scattered undergrowth.

23.40

Mean dist. bet. the closing cor. of secs. 3 and 4, and the closing cor. of secs. 4 and 5.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., sec. 4 only, with brass cap marked

$\frac{1}{4}$ S 4

1930 from which

A balsam, 10 ins. diam., brs. S.63°30'E., 103 lks. dist., marked $\frac{1}{4}$ S 4 B T.

A balsam, 8 ins. diam., brs. S. 5°W., 11 lks. dist., marked $\frac{1}{4}$ S 4 B T.

40.25

On ridge, 80 ft. above sec. cor., brs. N. 80°W., and S. 80°E.

The standard $\frac{1}{4}$ sec. cor., which is a sandstone, 10x8x6 ins., above the ground, firmly set and marked SC $\frac{1}{4}$

DEPENDENT RESURVEY OF SALT LAKE BASE LINE THROUGH R. 2. 2.

Chains

entered

on N. face, from which.

A lodgepole, 20 ins. diam., brs. N. 40°W., 20 lks.
dist., marked SC $\frac{1}{4}$ S 33 B T.

Alongside of cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground with brass cap marked.

SC
 $\frac{1}{4}$ S 33

1930

from which

A balsam, 8 ins. diam., brs. N. 19°E., 15 lks.
dist., marked $\frac{1}{4}$ S 33 SC BT.

Thence

S. 88° 50'W., with continuous measurement, descending
along rolling S. slope.

63.36 Point for the closing cor. of secs. 4 and 5, subsequently
established.

80.25 The standard cor. of secs. 32 and 33, which is a sand-
stone, 10x10x6 ins., above the ground, firmly set and
marked 4 notches on E., and 2 notches on W. side, and
SC on N. side, from which

A lodgepole, 14 ins. diam., brs. N. 13°E., 178 lks.
dist., marked S 33 T1N R8E BT.

A balsam, 8 ins. diam., brs. S. 70°45'E., 108 lks.
dist., marked S 3 T 1 S R 8 E BT. I destroy the
marks on this bearing tree.

Alongside of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in
the ground on solid rock and in a mound of stone to top,
with brass cap marked

SC
T1N | R8E
S32 | S33

1931

from which

A balsam, 10 ins. diam., brs. N. 34°30'W., 344 lks.
dist., marked T 1 N R 8 E S 32 SC BT.

Cor. stands on S. slope, 200 ft. below ridge.

Land, rolling mountain top.

Soil, rocky mountain loam; 2nd to 3rd rate.

Timber, scattered lodgepole, spruce and balsam.

Undergrowth, scattered pine stool and short brush;
medium growth of grass and weeds. Good grazing land.

DEPENDENT RESURVEY OF SALT LAKE BASE LINE THROUGH R. 8 E.

chains

- N. $89^{\circ} 35' W.$, along S. bdy. of sec. 32.
 Along S. slope over mountainous land, through scattered timber and scattered undergrowth.
- 6.00 Enter medium dense timber, brs. N. and SE.
- 23.03 Mean dist. bet. the closing cor. of secs. 4 and 5, and the closing cor. of secs. 5 and 6.
 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., sec. 5 only, with brass cap marked
- $\frac{1}{4}$ S 5
- 1931 from which
- A balsam, 6 ins. diam., brs. S. $16^{\circ} E.$, 203 lks. dist., marked $\frac{1}{4}$ S 5 B T.
- A balsam, 5 ins. diam., brs. S. $51^{\circ} W.$, 145 lks. dist., marked $\frac{1}{4}$ S 5 B T.
- 30.00 Foot of descent, 160 ft. below sec. cor., drains S.; ascend SE. slope.
- 40.00 Top of ascent, 140 ft. above foot of descent, slopes S.; descend along steep S. slope.
- 41.12 The standard $\frac{1}{4}$ sec. cor., which is a limestone, 16x12x6 ins., firmly set in the ground and marked $\frac{1}{4}$ on N. face, from which
- A balsam, 12 ins. diam., brs. N. $71^{\circ} 30' E.$, 33 lks. dist., marked $\frac{1}{4}$ S 32 BT.
- Cor. is also witnessed by a mound of stone to the N.
 Alongside of cor.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with brass cap marked
- SC
 $\frac{1}{4}$ S 32
- 1931 from which
- A balsam, 10 ins. diam., brs. N. $60^{\circ} W.$, 16 lks. dist., marked $\frac{1}{4}$ S 32 SC BT.
- Thence
- S. $89^{\circ} 26' W.$, with continuous measurement, along steep S. slope.
- 62.95 Point for the closing cor. of secs. 5 and 6, subsequently established.
- 65.00 Head of draw, 165 ft. below top of ascent, drains S.; ascend rocky SE. slope.
- 80.98 The standard cor. of secs. 31 and 32, which is a sandstone, 10x6x4 ins., above the ground, firmly set and marked 5 notches on E., and 1 notch on W. edge, and SC on N. side, from which

DEPENDENT RESURVEY OF SALT LAKE BASE LINE THROUGH

Chains

an. 100

A dead balsam, 14 ins. diam., brs. N. 67°W., 23 lks. dist., marked S 31 T 1 N R 8 E B T.

Alongside of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground on solid rock and in a mound of stone to top, with brass cap marked

SC	
T1N	R8E
S31	S32

1931

from which

A balsam, 6 ins. diam., brs. N. 60°E., 24 lks. dist., marked T 1 N R 8 E S 32 SC BT.

A lodgepole, 8 ins. diam., brs. N. 30°30'W., 45 lks. dist., marked T 1 N R 8 E S 31 SC BT.

Cor. stands on point of spur, 80 ft. above draw, slopes S.

Land, mountainous; S. exposure.

Soil, rocky and gravelly loam; 3rd to 4th rate.

Timber, lodgepole, balsam, spruce and scattered aspen.

Undergrowth, scattered short brush; medium growth of grass and weeds. E. half mile good grazing land and W. half fair grazing land.

N. 89° 22'W., along S. bdy. of sec. 31.

Descend gentle S.W. slope over rolling mountainous land, through medium dense lodgepole, balsam and spruce timber, and scattered undergrowth.

7.30 Head of draw, 20 ft. below sec. cor., drains S. 10°W.; ascend over rolling SE. slope.

17.00 Spur, 45 ft. above draw, projects S. 20°E.; abrupt descent over rocky W. slope, entering aspen and scattered lodgepole, spruce and balsam timber, and undergrowth of chokecherry, service berry and laurel.

21.97 Westing of 40.00 chs. from the closing cor. of secs. 5 and 6.

Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., sec. 6 only, with brass cap marked

$\frac{1}{4}$ S 6

1931

from which

A balsam, 5 ins. diam., brs. S. 9° 45'E., 40 lks. dist., marked $\frac{1}{4}$ S 6 B T.

A lodgepole, 5 ins. diam., brs. S. 7°30'W., 43 lks. dist., marked $\frac{1}{4}$ S 6 B T.

DEPENDENT RESURVEY OF SALT LAKE BASE LINE THROUGH R. 8 E.

chains

Cor. stands on steep, rocky W. slope, 270 ft. below spur.

37.35 The standard $\frac{1}{4}$ sec. cor., which is a stationary boulder 34x34x14 ins. above the ground, marked $\frac{1}{4}$ SC on N. side of top.

Along N. side of boulder.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with brass cap marked.

SC
 $\frac{1}{4}$ S 31

1931

from which

An aspen, 5 ins. diam., brs. N. 51°E., 7 lks. dist., marked $\frac{1}{4}$ S 31 SC BT.

An aspen, 5 ins. diam., brs. N. 17°W., 6 lks. dist., marked $\frac{1}{4}$ S 31 SC BT.

Cor. stands on rocky W. slope, 770 ft. below spur.

Thence

S. 89° 16'W., with continuous measurement, over rocky W. slope.

47.00 Descend over rocky SW. slope.

76.72 The standard cor. of T. 1 N., Rs. 7 and 8 E., which is a limestone, 12x8x8 ins., above the ground, firmly set and marked 6 notches on N., E. and W. sides, and SC. on S. side. Cor. is witnessed by a mound of stone to the N.

Alongside of cor.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, with brass cap marked

SC
T1N
R7E | R8E
S36 | S31

1931

from which

An aspen, 6 ins. diam., brs. N. 13°E., 19 lks. dist., marked T 1 N R 8 E S 31 SC BT.

An aspen, 5 ins. diam., brs. N. 33°W., 5 lks. dist., marked T 1 N R 7 E S 36 SC BT.

Cor. stands on SW. slope, 825 ft. below $\frac{1}{4}$ sec. cor.

Land, mountainous; SW. exposure; steep rocky slopes.

Soil, rocky mountain loam and loose rocks; 4th rate.

Timber, lodgepole, spruce, balsam and aspen.

Undergrowth, chokecherry, service berry and laurel; medium growth of grass and weeds. Poor grazing land, the slopes being steep and rocky.

RETRACEMENT OF PORTION OF SALT LAKE BASE LINE THROUGH

Chains

From the standard cor. of T. 1 N., Rs. 7 and 8 E.; thence

West, along S. bdy. of sec. 36, on retracement

18.98 Fall 69 lks. N. of the closing cor. of T. 1 S., Rs. 7 and 8 E., hereinafter described.

40.62 Fall 52 lks. N. of the standard $\frac{1}{4}$ sec. cor., S. bdy. of sec. 36, which is a sandstone, 12x10x8 ins., above the ground, firmly set and marked S $\frac{1}{4}$ on N. face. The cor. is witnessed by a mound of stone to the N.

The course of this half mile therefore is S. 89° 07' W., and the dist. is 40.62 chs.

DEPENDENT RESURVEY OF WEST BDY. OF T. 1 S., R. 8 E.

Reestablishment of surveys executed by Baxter and Dougall, U.S. deputy surveyors in 1897.

RANDOM LINES.

From the cor. of T. 1 S., Rs. 7 and 8 E., as described in the field notes of survey of T. 2 S., R. 8 E., group No. 173, Utah.

Thence

North, bet. secs. 31 and 36.

40.10 Fall 20 lks. W. of the $\frac{1}{4}$ sec. cor., hereinafter described
From the $\frac{1}{4}$ sec. cor.

North, with continuous measurement.

80.59 Fall 36 lks. W. of the cor. of secs. 25, 30, 31 and 36, hereinafter described.

The course of the S. half mile therefore is N. 0° 17' E., and the dist. is 40.10 chs., and the course of the N. half mile is N. 0° 31' E., and the dist. is 40.49 chs.

From the cor. of secs. 25, 30, 31 and 36.

North, bet. secs. 25 and 30.

40.31 Fall 90 lks. E. of the $\frac{1}{4}$ sec. cor., hereinafter described
The course of this half mile therefore is N. 1° 17' W., and the dist. is 40.32 chs.

From the $\frac{1}{4}$ sec. cor.

North, with continuous measurement.

80.11 Fall 79 lks. W. of the cor. of secs. 19, 24, 25 and 30, hereinafter described.

The course of the half mile therefore is N. 1° 08' E., and the dist. is 39.81 chs.

chains

From the cor. of secs. 19, 24, 25 and 30.

North, bet. secs. 19 and 24.

40.35 Fall 3 lks. E. of the $\frac{1}{4}$ sec. cor., hereinafter described.

The course of this half mile therefore is N. $0^{\circ} 03' W.$,
and the dist. is 40.35 chs..

From the $\frac{1}{4}$ sec. cor.

North, with continuous measurement.

80.35 Intersect the cor. of secs. 13, 18, 19 and 24, hereinafter described.

The course of this half mile therefore is N., and the
dist. is 40.00 chs.

From the cor. of secs. 13, 18, 19 and 24.

North, bet. secs. 13 and 18.

39.64 Fall 10 lks. E. of the $\frac{1}{4}$ sec. cor., hereinafter described.

The course of this half mile therefore is N. $0^{\circ} 09' W.$,
and the dist. is 39.64 chs.

From the $\frac{1}{4}$ sec. cor.

North, with continuous measurement.

79.63 Fall 81 lks. W. of the cor. of secs. 7, 12, 13 and 18,
hereinafter described.

The course of this half mile therefore is N. $1^{\circ} 10' E.$,
and the dist. is 40.00 chs.

From the cor. of secs. 7, 12, 13 and 18.

North, bet. secs. 7 and 12.

40.37 Fall 63 lks. E. of the $\frac{1}{4}$ sec. cor., hereinafter described.

The course of this half mile therefore is N. $0^{\circ} 54' W.$,
and the dist. is 40.37 chs.

From the $\frac{1}{4}$ sec. cor.

North, with continuous measurement.

80.01 Fall 10 lks. W. of the cor. of secs. 1, 6, 7 and 12,
hereinafter described.

The course of this half mile therefore is N. $0^{\circ} 09' E.$,
and the dist. is 39.64 chs.

DEPENDENT RESURVEY OF WEST BOUNDARY OF T. 1 S., R. 8 E.

Chains	
	From the cor. of secs. 1, 6, 7 and 12. North, bet. secs. 1 and 6.
39.86	Fall 6 lks. W. of the $\frac{1}{4}$ sec. cor. hereinafter described. The course of this half mile therefore is N. $0^{\circ} 05' E.$, and the dist. is 39.86 chs. From the $\frac{1}{4}$ sec. cor. North, with continuous measurement.
85.34	Fall 16 lks. E. of the closing cor. of T. 1 S., Rs. 7 and 8 E., hereinafter described. The course of this half mile therefore is N. $0^{\circ} 12' W.$, and the dist. is 45.48 chs.

TRUE LINES.

From the cor. of T. 1 S., Rs. 7 and 8 E.

N. $0^{\circ} 17' E.$, along E. bdy. of sec. 36.

Ascend rocky SW. slope, over mountainous land, through
scattered timber and undergrowth.

5.00 Rocky ridge and divide bet. the drainage of Provo River
and Weber River, 70 ft. above Tp. cor., brs. NE. and
SW.; descend NW. slope.

8.60 Head of draw, 15 ft. below ridge, drains N. $60^{\circ} W.$;
ascend.

20.50 Spur, 80 ft. above draw, slopes N. $60^{\circ} W.$; descend.

32.70 Ravine, 95 ft. below spur, drains N. $60^{\circ} W.$; ascend SW.
slope.

40.10 The $\frac{1}{4}$ sec. cor., which is a sandstone, 14x14x4 ins.,
firmly set in the ground and marked $\frac{1}{4}$ on W. face, from
which

A spruce, 20 ins. diam., brs. N. $8^{\circ} 30' W.$, 44 lks.
dist., marked $\frac{1}{4}$ S 36 B T.

Alongside of cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground with brass cap marked

$\frac{1}{4}$
S36 | S31

1930

from which

A balsam, 6 ins. diam., brs. S. $16^{\circ} 30' E.$, 31 lks.
dist., marked $\frac{1}{4}$ S 31 B T.

Cor. stands on SW. slope, 230 ft. above ravine.

Thence

DEPENDENT RESURVEY OF WEST BOUNDARY OF T. 1 S., R. 8 E.

ains

N. 0° 31'E., with continuous measurement.

41.00 Point of rocky spur, slopes W.; descend rocky N. slope.

45.50 Enter sliderock, brs. E. and W.

54.40 Head of draw, 250 ft. below spur, drains W.; descend over broken NW. slope.

59.96 Point for the closing cor. of secs. 30 and 31, subsequently established.

60.59 The cor. of secs. 25, 30, 31 and 36, which is a sandstone, 14x6x4 ins., set in mound of stone on surface rock and marked 1 notch on S., and 5 notches on N. edge, from which

A balsam, 18 ins. diam., brs. S. 70°W., 38 lks. dist., marked T 1 S R 7 E S 36 B T.

This cor. is altered to refer to secs. 25 and 36 only.

On surface rock at cor. point, mark a X over which I set an iron post, 3 ft. long, 2 ins. diam., with original stone at base, in a mound of stone to top, for cor. of secs. 25 and 36 only, with brass cap marked

T1S	
S25	T1S
	R8E
S36	S30
R7E	

1930

from which

A lodgepole, 16 ins. diam., brs. N. 20°30'W., 172 lks. dist., marked T 1 S R 7 E S 25 B T.

Cor. stands on broken NW. slope, 520 ft. below spur.

Land, mountainous; rocky slopes; NW. exposure.

Soil, shallow rocky loam and loose rock; 3rd to 4th rate.

Timber, scattered lodgepole, balsam and spruce.

Undergrowth, scattered pine stool, and short brush; medium growth of grass and weeds. Fair grazing land.

N. 1° 17'W., along E. bdy. of sec. 25.

Descend NW. slope over mountainous land, through medium dense timber and scattered undergrowth.

4.00 Enter grassy meadow, brs. NE. and SW.

10.00 Leave grassy meadow, brs. NE. and SW.; descend NW. slope.

36.10 Ravine, 340 ft. below sec. cor., drains W.; ascend SW. slope.

39.43 Mean dist. bet. the closing cor. of secs. 30 and 31, and the closing cor. of secs. 19 and 30.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for 1/4 sec. cor., sec. 30 only, with brass

DEPENDENT RESURVEY OF WEST BOUNDARY OF T. 1 S., R. 34 E.

Chains	
	cap marked
	$\begin{array}{c} \frac{1}{4} \\ \\ S30 \end{array}$
	1930 from which.
	A lodgepole, 18 ins. diam., brs. N. 29°E., 35 lks. dist., marked $\frac{1}{4}$ S 30° B T.
	A lodgepole, 10 ins. diam., brs. S. 24° E., 43 lks. dist., marked $\frac{1}{4}$ S 30° B T.
40.32.	The $\frac{1}{4}$ sec. cor., which is a sandstone, 14x8x4 ins., firmly set in the ground and marked $\frac{1}{4}$ on W. face, from which
	A lodgepole, 14 ins. diam., brs. S. 83°E., 11 lks. dist., marked $\frac{1}{4}$ S 30 B T.
	A lodgepole, 20 ins. diam., brs. N. 88°W., 41 lks. dist., marked $\frac{1}{4}$ S 25 B T.
	Cor. stands on SW. slope. 70 ft. above ravine.
	This cor. is altered to refer to sec. 25 only. I destroy the marks on SE. bearing tree, and alongside of cor.
	Set an iron post, 3 ft. long 1 in. diam., 27 ins. in the ground, with brass cap marked
	$\begin{array}{c} \frac{1}{4} \\ \\ S25 \end{array}$
	1930 from which
	A lodgepole, 18 ins. diam., brs. S. 42°W., 46 lks. dist., marked $\frac{1}{4}$ S 25 B T.
	Thence
	N. 1° 08'E., with continuous measurement.
46.00	Spur, 20 ft. above $\frac{1}{4}$ sec. cor., slopes W.; descend NW. slope.
57.20	Ravine, 165 ft. below spur, drains W.; ascend SW. slope.
66.00	Spur, 200 ft. above ravine, slopes W.; descend NW. slope.
76.80	Ravine, 220 ft. below spur, drains W.; thence along W. slope.
79.50	Point for the closing cor. of secs. 19 and 30, subsequently established.
80.13	The cor. of secs. 19, 24, 25 and 30, which is a quartzite, 12x8x6 ins., firmly set in the ground and marked 4 notches on N., and 2 notches on S. edge, from which
	A spruce, 20 ins. diam., brs. N. 69°E., 12 lks. dist., marked T 1 S R 8 E S 19 B T.
	A lodgepole, 8 ins. diam., brs. S. 62°E., 18 lks. dist., marked T 1 S R 8 E S 30 B T.
	This sec. cor. is altered to refer to secs. 24 and 25

only... I destroy the marks on the bearing trees, and alongside of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground on solid rock and in a mound of stone to top, with brass cap marked

T18	T18
S24	R8E
S25	S19
R7E	

1930

from which

A spruce, 24 ins. diam., brs. S. 45°W., 7 lks. dist., marked T 1 S R 7 E S 25 B T.

A lodgepole, 8 ins. diam., brs. N. 17°W., 16 lks. dist., marked T 1 S R 7 E S 24 B T.

Land, mountainous; rocky slopes; W. exposure and drainage.

Soil, shallow rocky mountain loam; 3rd to 4th rate.

Timber, lodgepole, spruce and balsam.

Undergrowth, scattered pine stool and short brush; medium growth of grass and weeds. Good grazing land.

N. 0° 03'W., along E. bdy. of sec. 24.

Along W. slope over mountainous land, through medium dense timber and scattered undergrowth.

6.40 Ravine, 10 ft. below sec. cor., drains W.; ascend steep SW. slope.

11.00 Enter slidenock, brs. NE. and SW.

18.00 Top of ascent, 310 ft. above ravine, brs. NE. and SW.; descend along W. slope, leaving sliderock.

39.41 Mean dist. bet. the closing cor. of secs. 19 and 30, and the closing cor. of secs. 18 and 19.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., sec. 19 only, with brass cap marked

S19

1930

from which

A spruce, 24 ins. diam., brs. N. 35°E., 29 lks. dist., marked $\frac{1}{4}$ S 19 B T.

A spruce, 12 ins. diam., brs. S. 42°E., 10 lks. dist., marked $\frac{1}{4}$ S 19 B T.

40.35 The $\frac{1}{4}$ sec. cor., which is a sandstone, 10x8x6 ins., above the ground, firmly set and marked $\frac{1}{4}$ on W. face, from which

DEPENDENT RESURVEY OF WEST BOUNDARY OF T. 1 R. 36 E.

Chains

added

A balsam, 10 ins. diam., brs. N. 45°W., 6 lks.
dist., marked $\frac{1}{4}$ S 24 B T.

This $\frac{1}{4}$ -sec. cor. is altered to refer to sec. 24 only.

Alongside of cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with brass cap marked

$\frac{1}{4}$
S24

1930

from which

A spruce, 10 ins. diam., brs. S. 27°W., 24 lks.
dist., marked $\frac{1}{4}$ S 24 B T.

Cor. stands on W. slope 170 ft. below top of ascent.

Thence

North, with continuous measurement.

79.46 Point for the closing cor. of secs. 18 and 19, subsequently established.

80.35 The cor. of secs. 13, 18, 19 and 24, which is a sandstone, 14x7x6 ins., above the ground, firmly set and marked 3 notches on N. and S. edges, from which

A balsam, 14 ins. diam., brs. N. 31°E., 27 lks.
dist., marked T 1 S R 8 E S 18 B T.

A balsam, 16 ins. diam., brs. N. 24°30'W., 19 lks.
dist., marked T 1 S R 7 E S 13 B T.

This sec. cor. is altered to refer to secs. 13 and 24 only. I destroy the marks on NE. bearing tree, and alongside of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with brass cap marked

T1S	
S13	T1S
	R8E
S24	S18
R7E	

1930

from which

A balsam, 6 ins. diam., brs. S. 82°W., 11 lks.
dist., marked T 1 S R 7 E S 24 B T.

Cor. stands on NW. slope, 390 ft. below $\frac{1}{4}$ sec. cor.

Land, mountainous; W. exposure.


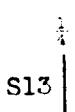
Soil, rocky mountain loam; 3rd rate.

Timber, lodgepole, spruce and balsam.

Undergrowth, scattered young pine and short brush.
Medium growth of grass and weeds. Good grazing land.

DEPENDENT RESURVEY OF WEST BOUNDARY OF T. 1 S., R. 8 E.

Main

- N. 0° 09' W., along E. bdy. of sec. 13.
- Descend NW. slope over mountainous land, through medium dense lodgepole, balsam, spruce and scattered aspen and Douglas fir timber, and scattered undergrowth of young pine and short brush.
- 24.00 Point of spur, 380 ft. below sec. cor., slopes N. 20° W.; descend steep NE. slope.
- 39.115 Mean dist. in northing and southing bet. the closing cor. of secs. 7 and 12 and the closing cor. of secs. 18 and 19.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., sec. 18 only, with brass cap marked
- 
- 1930 from which
- A Douglas fir, 14 ins. diam., brs. N. 44° E., 40 lks. dist., marked $\frac{1}{4}$ S 18 R T.
- A Douglas fir, 10 ins. diam., brs. N. 75° E., 54 lks. dist., marked $\frac{1}{4}$ S 18 R T.
- 39.64 The $\frac{1}{4}$ sec. cor., which is a quartzite, 20x14x10 ins., firmly set in the ground and marked $\frac{1}{4}$ on W. face, from which
- A Douglas fir, 12 ins. diam., brs. N. 65° W., 17 lks. dist., marked $\frac{1}{4}$ S 13 R T.
- This $\frac{1}{4}$ sec. cor. is altered to refer to sec. 13 only. Alongside of cor.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground with brass cap marked
- 
- 1930 from which
- A Douglas fir, 6 ins. diam., brs. N. 41° W., 23 lks. dist., marked $\frac{1}{4}$ S 13 R T.
- Cor. stands on steep NE. slope, 800 ft. below sec. cor.
- Thence
- N. 1° 10' E., with continuous measurement.
- 39.00 Bottom of Smith and Morehouse Canyon, 785 ft. below $\frac{1}{4}$ sec. cor., sec. 13, brs. NW. and SE.; thence over rolling bottom of canyon, through dense willows and lodgepole balsam and aspen timber.
- 39.75 Edge of beaver pond, brs. NW. and SE.; thence across pond.
- 72.50 Leave beaver pond, brs. NW. and SE.
- 79.12 Point for the closing cor. of secs. 7 and 18, subsequently established.

DEPENDENT RESURVEY OF WEST BOUNDARY OF T. 1 S., R. 20 E.

Chains

antenna

79.54 The cor. of secs. 7, 12, 13, and 18, which is a quartzite 14x10x6 ins., firmly set in the ground and marked 4 notches on S., and 2 notches on N. edge, from which

A spruce, 18 ins. diam., brs. N. 33°15'E., 25 lks. dist.

A spruce, 16 ins. diam., brs. N. 89°E., 32 lks. dist.

The blaze on these two bearing trees is grown over and only evidence of the scribe marks are visible.

This cor. is altered to refer to secs. 12 and 13 only. I destroy the marks on the bearing trees, and alongside of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground with brass cap marked

T1S	
S12	T1S
	R8E
S13	S7
R7E	

1930

from which

A lodgepole, 10 ins. diam., brs. S. 56°30'W., 38 lks. dist., marked T 1 S R 7 E S 13 B T.

A balsam, 10 ins. diam., brs. N. 24° W., 93 lks. dist., marked T 1 S R 7 E S 12 B T.

Land, mountainous; N. exposure.

Soil, rocky mountain loam; 2nd to 3rd rate.

Timber, lodgepole, spruce, balsam, Douglas fir and aspen.

Undergrowth, young pine, short brush and willows; medium growth of grass and weeds. Good grazing land.

N. 0° 54'W., along E. bdy. of sec. 12.

Over rolling bottom of canyon, through lodgepole, balsam, spruce and aspen timber, and undergrowth of willows.

5.00 Old road, and trail, brs. N. 80°W., and S. 80°E.

12.60 Stream of clear water, 20 lks. wide, 4 ins. deep, drains N. 30°W.; ascend steep S.W. slope, leaving willows, brs. N.W. and SE.

22.00 Top of ascent, 160 ft. above sec. cor., slopes W.; thence along W. slope.

24.50 Abrupt descent over N. slope, brs. E. and W.

25.70 Ravine, 70 ft. below top of ascent, drains W.; ascend S.W. slope.

27.50 Top of ascent, 70 ft. above ravine, slopes W.; descend N.W. slope.

39.55 Mean dist. bet. the closing cor. of secs. 7 and 18, and

DEPENDENT RESURVEY OF WEST BOUNDARY OF T. 1 S., R. 8 E.

chains

the closing cor. of secs. 6 and 7.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., sec. 7 only, with brass cap marked

$\frac{1}{4}$
S 7 ✓

1931

from which

A spruce, 18 ins. diam., brs. N.31°30'E., 52 lks. dist., marked $\frac{1}{4}$ S 7 B T.

A balsam, 10 ins. diam., brs. S.46°45'E., 89 lks. dist., marked $\frac{1}{4}$ S 7 B T.

40.37 The $\frac{1}{4}$ sec. cor., which is a gray sandstone, 20x9x6 ins., firmly set in the ground and marked $\frac{1}{4}$ on W. face, from which

A spruce, 20 ins. diam., brs. S.73°30'E., 24 lks. dist., marked $\frac{1}{4}$ S 7 B T.

This $\frac{1}{4}$ sec. cor. is altered to refer to sec. 12 only. I destroy the marks on the bearing tree, and alongside, of cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with brass cap marked

$\frac{1}{4}$
S 12 ✓

1931

from which

A spruce, 30 ins. diam., brs. S. 66°W., 90 lks. dist., marked $\frac{1}{4}$ S 12 B T.

A spruce, 24 ins. diam., brs. N.66°30'W., 64 lks. dist., marked $\frac{1}{4}$ S 12 B T.

Thence

N. 0° 09'E., with continuous measurement, along W. slope

52.00 Stream of clear water, 5 lks. wide, 3 ins. deep, drains W.; ascend SW. slope.

79.62 Point for closing cor. of secs. 6 and 7, subsequently established.

80.01 The cor. of secs. 1, 6, 7 and 12, which is a quartzite 10x6x3 ins., firmly set in the ground and marked 5 notches on S.; and 1 notch on N. edge, from which

A cedar, 9 ins. diam., brs. N.31°45'E., 21 lks. dist., marked T 1 S R 8 E S 6 B T.

A cedar, 9 ins. diam., brs. S.49°45'E., 61 lks. dist., marked T 1 S R 8 E S 7 B T.

This sec. cor. is altered to refer to secs. 1 and 12 only. I destroy the marks on the bearing trees, and alongside of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in

DEPENDENT RESURVEY OF WEST BOUNDARY OF T. 1 S. R. 6 E.

Chains

the ground on solid rock and in a mound of stones to top with brass cap marked

TLS	
S 1	TLS
S12	R8E
R7E	S 6

1931

from which

A balsam, 7 ins. diam., brs. S. 26° 30' W., 43 lks. dist., marked T 1 S R 7 E S 12 B T.

A balsam, 6 ins. diam., brs. N. 45° W., 18 lks. dist., marked T 1 S R 7 E S 1 B T.

Cor. stands on SW. slope, 330 ft. above $\frac{1}{4}$ sec. cor.

Land, mountainous; W. exposure.

Soil, rocky mountain loam; 3rd rate.

Timber, lodgepole, spruce, balsam and aspen.

Undergrowth, willows and short brush; medium growth of grass and weeds. Good grazing land.

N. 0° 05' E., bet. secs. 1 and 6.

Ascend SW. slope over mountainous land, through medium dense timber of lodgepole, balsam and aspen, and undergrowth of mahogany, oak, sagebrush and laurel.

1.20 Top of ascent, 10 ft. above sec. cor., slopes W.; descend.

4.00 Draw, 10 ft. below top of ascent, drains W.; ascend SW. slope.

14.00 Top of ascent, 150 ft. above draw, slopes W.; descend.

29.50 Old road, brs. NE. and SW.

32.40 Draw, 285 ft. below spur, drains W.; old road along draw, brs. E. and W.; ascend.

37.00 Point of spur, 80 ft. above draw, slopes W.; descend steep N. slope, leaving mahogany undergrowth.

39.61 Northing of 40.00 chs. from the closing cor. of secs. 6 and 7.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., sec. 6 only, with brass cap marked

$\frac{1}{4}$
S6

1931

from which

An aspen, 5 ins. diam., brs. N. 44° E., 57 lks. dist., marked $\frac{1}{4}$ S 6 B T.

chains

A spruce, 5 ins. diam., brs. S. 21°E., 22 lks.
dist., marked $\frac{1}{4}$ S 6 B T.

39.85 The $\frac{1}{4}$ sec. cor., which is a quartzite, 24x8x6 ins.,
firmly set in the ground and marked $\frac{1}{4}$ on W. face. Cor.
is witnessed by a mound of stone to the W.

This $\frac{1}{4}$ sec. cor. is altered to refer to sec. 1 only.

Alongside of cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground with brass cap marked

$\frac{1}{4}$
S 1

1931 from which

A lodgepole, 5 ins. diam., brs. S. 38°W., 16 lks.
dist., marked $\frac{1}{4}$ S 1 B T.

A lodgepole, 5 ins. diam., brs. N. 75°15'W., 42 lks.
dist., marked $\frac{1}{4}$ S 1 B T.

Cor. stands on steep N. slope, 100 ft. below spur.

Thence

N. 0° 12'W., with continuous measurement.

43.40 Canyon, 150 ft. below $\frac{1}{4}$ sec. cor., sec. 1, drains W.;
ascend steep S. slope through aspen timber, and under-
growth of service berry, chokecherry and laurel.

49.00 Top of ascent, 250 ft. above canyon, slopes W.; ascend
gradually along W. slope, through dense aspen and
scattered undergrowth of chokecherry and laurel.

71.00 Top of ascent on W. slope, 320 ft. above canyon, slopes
W.; descend.

83.00 Ravine, 165 ft. below top of ascent, drains N. 75°W.;
ascend SW. slope.

85.34 The closing cor. of T. 1 S., Rs. 7 and 8 E., which is
a sandstone, 12x6x6 ins., firmly set in the ground and
marked 6 notches on E. and W. sides, and 6 notches and
CC on S. face. Cor. is witnessed by a mound of stone
to the S.

As this closing cor. is not at the intersection with
the Salt Lake Base Line, I mark same WP on top, for
witness point, and continue

N. 0° 12'W., with continuous measurement to

85.71 Intersect the Salt Lake Base Line, S. 89° 07'W., 18.98
chs. dist. from the standard cor. of T. 1 N., Rs. 7 and
8 E., heretofore described.

At point of intersection.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in
the ground for closing cor. of T. 1 S., Rs. 7 and 8 E.,
with brass cap marked

DEPENDENT RESURVEY OF WEST BOUNDARY OF T. 1 S., R. 8 E.

Chains

T1N R7E	
S 36	

S 1	S 6
R7E	R8E

T1S
CC

1931

from which

An aspen, 5 ins. diam., brs. S. 6° 15'E., 39 lks. dist., marked T 1 S R 8 E S 6 CC BT.

An aspen, 5 ins. diam., brs. S. 5° 30'W., 45 lks. dist., marked T 1 S R 7 E S 1 CC BT.

Cor. stands on SW. slope, 30 ft. above ravine.

Land, mountainous; W. exposure.

Soil, rocky mountain loam; 2nd to 3rd rate.

Timber, lodgepole, aspen, spruce and balsam.

Undergrowth, mahogany, chokecherry, service berry and laurel; medium growth of grass and weeds. Good grazing land.

SURVEY OF SUBDIVISION OF T. 1 S., R. 8 E.

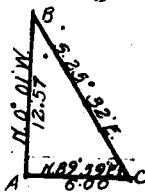
From the witness cor. to cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp., which is 6.00 chs. E. of true position for sec. cor., as described in the field notes of the survey of T. 2 S., R. 8 E., group No. 173, Utah.

Thence

N. 0° 01'W., on offset line through sec. 36, across Long Lake.

To determine distance across lake by triangulation, I proceed as follows:-

Designate witness cor. as "A", and set flag "B", N. 0° 01'W., on bank of lake. I then measure base line, N. 89° 59'E., 6.00 chs. dist. to flag "C", from which point, flag "B", bears N. 25° 32'W. From flag "B", flag "C", bears S. 25° 32'E. All bearings checked by direct reading of the solar, and all angles checked by deflection.



By triangulation.

N. 0° 01'W., 12.57 chs.; thence West, 6.00 chs. to true line bet. secs. 35 and 36; thence S. 0° 01'E., 2.00 chs. to

10.57 On N. side of Long Lake, brs. NE. and SW.; thence

N. 0° 01'W., on true line bet. secs. 35 and 36, distance counted from true point for cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp.

SUBDIVISION OF T. 1 S., R. 8 E.

chains

Ascend broken SE. slope over mountainous land, through medium dense timber and scattered undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground on bed rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S35 | S36

1930

from which

A balsam, 8 ins. diam., brs. S. 84°15'E., 38 lks. dist., marked $\frac{1}{4}$ S 36 B T.

A spruce, 8 ins. diam., brs. N. 48°W., 101 lks. dist., marked $\frac{1}{4}$ S 35 B T.

Cor. stands at SE. end of low pass on ridge dividing the drainage of the Weber River and Provo River, 280 ft. above Long Lake, brs. NE. and SW.;

Descend gradually over NW. slope.

45.00 Head of draw, 40 ft. below $\frac{1}{4}$ sec. cor., drains NW.; thence along W. slope.

51.50 Trail, brs. NW. and SE.

52.00 From this point, E. edge of lake, about 4 chs. long, N. and S., and 3 chs. wide, E. and W., brs. W., 3.00 chs. dist.

70.00 Descend NW. slope.

79.40 Stream of clear water, 4 lks. wide, 2 ins. deep, in ravine, 130 ft. below $\frac{1}{4}$ sec. cor., drains NW.; thence along W. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 25, 26, 35 and 36, with brass cap marked

T1S | R8E
S26 | S25
S35 | S36

1930

from which

A balsam, 8 ins. diam., brs. N. 13°30'E., 90 lks. dist., marked T 1 S R 8 E S 25 B T.

A spruce, 12 ins. diam., brs. S. 21°E., 43 lks. dist., marked T 1 S R 8 E S 36 B T.

A spruce, 8 ins. diam., brs. S. 62°15'W., 52 lks. dist., marked T 1 S R 8 E S 35 B T.

A spruce, 16 ins. diam., brs. N. 53°15'W., 77 lks. dist., marked T 1 S R 8 E S 26 B T.

Land, mountainous; rocky slopes; drainage S. and NW.

Soil, shallow rocky mountain loam; numerous rock outcrops; 3rd to 4th rate.

Timber, medium growth of lodgepole, spruce and balsam.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains	
	Undergrowth, scattered growth of pine stool and short brush; medium growth of grass and weeds; fair grazing land.
	East, on random line bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line, 12 lks. N. of the cor. of secs. 25, 30, 31 and 36, on E. bdy. of Tp., as described in the field notes of the survey of T. 1 S., R. 9 E., this group.
	Thence
	N. $89^{\circ} 55' W.$, on true line bet. secs. 25 and 36.
	Abrupt ascent over steep, rocky E. slope, over mountainous land, through scattered patches of pine stool undergrowth.
16.60	Top of peak, known as Mount Watson, 820 ft. above sec. cor.; peak stands in divide of drainage bet. the Weber River and Provo River; descend S.W. slope, surface covered with loose rock.
40.02	On rocky S.W. slope, 430 ft. below peak.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in sliderock, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S\ 25 \\ \frac{1}{4} \\ S\ 36 \\ 1930 \end{array}$
	raise a mound of stone, 3 ft. base, 2 ft. high N. of cor.
71.00	Foot of Mount Watson, 860 ft. below $\frac{1}{4}$ sec. cor., brs. N. and S.; descend over broken W. slope, entering medium dense timber.
80.04	The cor. of secs. 25, 26, 35 and 36, 1020 ft. below $\frac{1}{4}$ sec. cor.
	Land, mountainous; steep and rocky slopes.
	Soil, shallow rocky loam and loose rock; 4th rate.
	Timber, medium dense lodgepole, balsam and spruce on portion of $\frac{1}{2}$ half mile.
	Undergrowth, scattered pine stool; scattered growth of grass and weeds; poor grazing land.
	N. $0^{\circ} 01' W.$, bet. secs. 25 and 26.
	Descend along W. slope, over mountainous land, through medium dense timber and scattered undergrowth.
8.40	Stream of clear water, 4 lks. wide, 2 ins. deep, drains N. $30^{\circ} W.$

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

- 22.10 Stream of clear water, 4 lks. wide, 2 ins. deep, in draw, 50 ft. below sec. cor., drains W.; ascend SW. slope.
- 32.00 Top of ascent, 50 ft. above draw, slopes W.; descend NW. slope.
- 40.00 At foot of descent, 75 feet below top of ascent, drains W.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S26 | S25

1930 from which

A balsam, 8 ins. diam., brs. S.41°30'E., 44 lks. dist., marked $\frac{1}{4}$ S 25 B T.

A spruce, 18 ins. diam., brs. S.30°30'W., 30 lks. dist., marked $\frac{1}{4}$ S 26 B T.

Ascend SW. slope.

- 47.00 Top of ascent, 30 ft. above $\frac{1}{4}$ sec. cor., slopes W.; descend NW. slope.

- 80.00 On NW. slope, 190 ft. below top of ascent.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for the cor. of secs. 23, 24, 25 and 26, with brass cap marked

T1S | R8E
S23 | S24
S26 | S25

1930 from which

A lodgepole, 14 ins. diam., brs. N. 81°E., 41 lks. dist., marked T 1 S R 8 E S 24 B T.

A lodgepole, 10 ins. diam., brs. S.32°30'E., 40 lks. dist., marked T 1 S R 8 E S 25 B T.

A balsam, 8 ins. diam., brs. S 22° W., 64 lks. dist., marked T 1 S R 8 E S 26 B T.

A lodgepole, 18 ins. diam., brs. N. 77°W., 73 lks. dist., marked T 1 S R 8 E S 23 B T.

Lend, mountainous; NW. exposure and drainage.

Soil, rocky mountain loam; 3rd rate.

Timber, medium dense lodgepole, balsam and spruce.

Undergrowth, scattered pine stool and short brush; medium growth of grass and weeds; good grazing lend.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

Station

S. 89° 56'E., on random line bet. secs. 24 and 25.

40.00 Set temp. & sec. cor.

80.08 Intersect E. bdy. of Tp., 7 lks. S. of the cor. of secs. 19, 24, 25 and 30, as described in the field notes of survey of T. 1 S., R. 9 E., this group; thence

N. 89° 56'W., on true line bet. secs. 24 and 25.

Descend steep and rocky SW. slope over mountainous land, through scattered clumps of timber and scattered undergrowth.

12.00 Foot of rocky ridge, 640 ft. below sec. cor., brs. N. 60° W., and S. 60°E.; descend over W. slope, entering medium dense timber.

40.04 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for sec. cor., with brass cap marked

S 24
+
S 25

1930

from which

A balsam, 6 ins. diam., brs. S. 6° 30'E., 141 lks. dist., marked S 25 B T.

A lodgepole, 12 ins. diam., brs. N. 10° 15'W., 226 lks. dist., marked S 24 B T.

Cor. stands in small grassy meadow, 5 chs. wide, 820 ft. below sec. cor.

41.00 Stream of clear water, 3 lks. wide, 2 ins. deep, drains S. 60°W.

42.00 Stream of clear water, 10 lks. wide, 3 ins. deep, in ravine, 1 ft. below sec. cor., drains N. 60°W., from the S.; ascend NW. slope.

43.00 Top of ascent, 40 ft. above ravine, slopes N.; descend NW. slope.

44.00 The cor. of secs. 23, 24, 25 and 26, 200 ft. below top of ascent.

Land, mountainous; NW. drainage; broken slopes.

Soil, rocky, sandy loam; surface covered with boulders; and to 4th rate.

Timber, lodgepole, spruce and balsam.

Undergrowth, scattered pine stool and short brush; medium growth of grass and weeds; fair grazing land.

N. 0° 01'W., bet. secs. 23 and 24.

Descend NW. slope over mountainous land, through medium dense timber and scattered undergrowth.

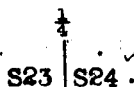
12.80 Stream of clear water, 20 lks. wide, 2 ins. deep, drains N. 60°W.; continue descent over NW. slope.

40.00 On NW. slope, 270 ft. below sec. cor.

.SUBDIVISION OF T. 1 S., R. 9 E.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked



1930

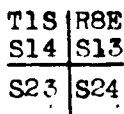
from which

A lodgepole, 18 ins. diam., brs. S. 7° E., 49 lks. dist., marked $\frac{1}{4}$ S 24 B T.

A lodgepole, 8 ins. diam., brs. N. 74° W., 37 lks. dist., marked $\frac{1}{4}$ S 23 B T.

80.00 On NW. slope, 560 ft. below $\frac{1}{4}$ sec. cor.

On surface rock, mark a X over which set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, with 6 ft. base, to top, for the cor. of secs. 13, 14, 23 and 24, with brass cap marked



1930

from which

A lodgepole, 8 ins. diam., brs. N. 52° E., 63 lks. dist., marked T 1 S R 8 E S 13 B T.

A lodgepole, 18 ins. diam., brs. S. 52° 30' E., 33 lks. dist., marked T 1 S R 8 E S 24 B T.

A lodgepole, 8 ins. diam., brs. S. 77° 30' W., 40 lks. dist., marked T 1 S R 8 E S 23 B T.

A spruce, 20 ins. diam., brs. N. 8° W., 41 lks. dist., marked T 1 S R 8 E S 14 B T.

Land, mountainous; NW. exposure and drainage; rocky slopes.

Soil, rocky mountain loam; 3rd rate.

Timber, medium dense lodgepole, spruce and balsam.

Undergrowth, scattered pine stool and short brush; medium growth of grass and weeds. Good grazing land.

S. 89° 58' E., on random line bet. secs. 13 and 24.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect the cor. of secs. 13, 18, 19 and 24, on E. bdy. of Tp., as described in the field notes of survey of T. 1 S., R. 9 E., this group; thence

N. 89° 58' W., on true line bet. secs. 13 and 24.

Descend NW. slope over mountainous land, through medium dense lodgepole, spruce and balsam timber and scattered undergrowth.

18.50 Stream of clear water, 10 lks. wide, 2 ins. deep, in ravine, 160 ft. below sec. cor., drains NW.; ascend NE. slope, broken by boulders.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains		and
32.00	Spur, 250 ft. above ravine, projects N.; descends NW. slope.	
39.98	On NW. slope, 90 ft. below spur. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked $\begin{array}{r} S\ 13 \\ \frac{1}{4} \\ S\ 24 \end{array}$ 1930 from which A spruce, 24 ins. diam., brs. S. 55° 30' W., 74 lks. dist., marked $\frac{1}{4}$ S 24 B T. A spruce, 7 ins. diam., brs. N. 12° W., 10 lks. dist., marked $\frac{1}{4}$ S 13 B T.	
45.00	Enter sliderock and scattered aspen timber, brs. N. and S.	
59.50	Leave sliderock and enter lodgepole, spruce and balsam timber, brs. N. and S.	
79.96	The cor. of secs. 13, 14, 23 and 24, 925 ft. below $\frac{1}{4}$ sec. cor. Land, mountainous; NW. exposure and drainage; broken and rocky slopes. Soil, rocky mountain loam and loose rocks; 3rd to 4th rate. Timber, lodgepole, spruce and balsam; aspen on portion of mile. Undergrowth, scattered young pine and short brush; medium growth of grass and weeds. Fair grazing land.	
	N. 0° 01' W., bet. secs. 13 and 14. Descend NW. slope over mountainous land, through medium dense timber and scattered undergrowth.	
13.40	Middle Fork of Weber River, a stream of clear water, 20 lks. wide, 4 ins. deep, 150 ft. below sec. cor., drains N. 20° E.; thence along E. slope on W. side of canyon.	
16.00	Trail, brs. N. 20° E., and S. 20° W.	
38.60	Draw, 270 ft. below sec. cor., drains N. 80° E.; continue along E. slope.	
40.00	On E. slope, 260 ft. below sec. cor. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked $\begin{array}{r} S14\ S13 \\ \frac{1}{4} \\ 1930 \end{array}$ from which	

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

A balsam, 8 ins. diam., brs. S. 51° E., 13 lks.
dist., marked $\frac{1}{4}$ S 13 B T. ✓

A spruce, 12 ins. diam., brs. S. 70° W., 16 lks.
dist., marked $\frac{1}{4}$ S 14 B T. ✓

73.00 Ascend rocky SE. slope, brs. NE. and SW.

76.00 Top of rocky SE. slope, thence along rocky E. slope.

80.00 On rocky E. slope, 110 ft. above foot of ascent.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in
crevice of ledge and in a mound of stone to top, for the
cor of secs. 11, 12, 13 and 14, with brass cap marked

T1S	R8E
S11	S12
S14	S13

1930 from which

A balsam, 4 ins. diam., brs. N. 28° E., 43 lks.
dist., marked "BT" only.

A spruce, 18 ins. diam., brs. S. 35° 30' E., 97 lks.
dist., marked T 1 S R 8 E S 13 B T. ✓

A balsam, 5 ins. diam., brs. S. 29° W., 32 lks.
dist., marked T 1 S R 8 E S 14 B T. ✓

A spruce, 9 ins. diam., brs. N. 43° W., 88 lks.
dist., marked T 1 S R 8 E S 11 B T. ✓

Land, mountainous; rocky slopes.

Soil, rocky mountain loam; 3rd rate.

Timber, medium dense lodgepole, spruce and balsam.

Undergrowth, scattered short brush; medium growth of
grass and weeds. Good grazing land.

S. 89° 58' E., on random line bet. secs. 12 and 13.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect E. bdy. of Tp., 9 lks. N. of the cor. of secs.
7, 12, 13 and 18, as described in the field notes of
survey of T. 1 S., R. 9 E., this group; thence

N. 89° 54' W., on true line bet. secs. 12 and 13.

Descend along N. slope over mountainous land, through
medium dense timber, and scattered undergrowth.

7.50 Rim of canyon, 75 ft. below sec. cor., brs. N. and S.;
abrupt descent over NW. slope, leaving timber and enter
sliderock.

36.00 Leave sliderock and enter medium dense timber, brs.
NW. and SE.

40.05 On rocky NW. slope, 1050 ft. below rim of canyon.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in

SUBDIVISION OF T. 1 S., R. 8 E.

Chains		311/2
	the ground for $\frac{1}{4}$ sec. cor., with brass cap marked	
	$\begin{array}{c} S 12 \\ \frac{1}{4} \text{---} \\ S 13 \end{array}$	
	1930	from which
	A balsam, 6 ins. diam., brs. N. 63° 30' E., 14 lks. dist., marked $\frac{1}{4}$ S 12 B T.	
	A balsam, 12 ins. diam., brs. S. 9° W., 32 lks. dist., marked $\frac{1}{4}$ S 13 B T.	
70.20	Stream of clear water, 6 lks. wide, 3 ins. deep, in bottom of canyon, 630 ft. below $\frac{1}{4}$ sec. cor., drains NW., emptying into main stream 2 chs. NW.; thence over bottom of canyon.	
71.10	Middle Fork of Weber River, a stream of clear water, 15 lks. wide, 4 ins. deep, drains N. 10° E.; ascend steep rocky E. slope.	
73.20	Treil, brs. N. and S.	
80.10	The cor. of secs. 11, 12, 13 and 14, 430 ft. above canyon. Land, mountainous; steep and rocky slopes. Soil, rocky mountain loam and loose rock; 3rd to 4th rate. Timber, lodgepole, spruce and balsam on portion of mile. Undergrowth, scattered pine stool and short brush; medium growth of grass and weeds. Poor grazing land on E. half mile and fair grazing on W. half mile.	
	$\begin{array}{c} \text{---} \\ N. 0^{\circ} 01' W., \text{ bet. secs. 11 and 12.} \end{array}$	
	Ascend rocky SE. slope over mountainous land, through medium dense lodgepole, spruce and balsam and scattered aspen timber, and scattered undergrowth.	
2.50	Top of ascent, 30 ft. above sec. cor., slopes E.; descend.	
4.00	Stream of clear water, 10 lks. wide, 4 ins. deep, in ravine, 20 ft. below top of ascent, drains E.; ascend rocky SE. slope.	
40.00	On rocky SE. slope, 630 ft. above sec. cor. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked	
	$\begin{array}{c} \frac{1}{4} \\ S11 \text{---} S12 \end{array}$	
	1930	from which
	A balsam, 6 ins. diam., brs. S. 50° E., 3 lks. dist., marked $\frac{1}{4}$ S 12 B T.	
	A balsam, 6 ins. diam., brs. N. 61° W., 8 lks. dist., marked $\frac{1}{4}$ S 11 B T.	

SUBDIVISION OF T. 1 S., R. 9 E.

Chains							
47.50	Point of rocky spur, 150 ft. above $\frac{1}{2}$ sec. cor., slopes E., descend.						
55.00	Ravine, 65 ft. below spur, drains E.; ascend.						
62.00	Point of rocky spur, 120 ft. above ravine, slopes E.; descend rocky NE. slope, entering medium dense aspen and scattered lodgepole, spruce and balsam timber.						
80.00	On NE. slope, 440 ft. below point of spur.						
	Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground on solid rock and in a mound of stone to top, for the cor. of secs. 1, 2, 11 and 12, with brass cap marked						
	<table border="1"> <tr> <td>T1S</td><td>R8E</td></tr> <tr> <td>S 2</td><td>S 1</td></tr> <tr> <td>S11</td><td>S12</td></tr> </table>	T1S	R8E	S 2	S 1	S11	S12
T1S	R8E						
S 2	S 1						
S11	S12						
	1930 from which						
	A balsam, 8 ins. diam., brs. N. 9°30'E., 93 lks. dist., marked T 1 S R 8 E S 1 B T.✓						
	A balsam, 8 ins. diam., brs. S. 50°30'E., 50 lks. dist., marked T 1 S R 8 E S 12 B T..						
	An aspen, 5 ins. diam., brs. S. 31°30'W., 54 lks. dist., marked T 1 S R 8 E S 11 B T..						
	A lodgepole, 7 ins. diam., brs. N. 70°45'W., 27 lks. dist., marked T 1 S R 8 E S 2 B T.✓						
	Land, mountainous; steep and broken slopes.						
	Soil, shallow rocky loam; 3rd rate.						
	Timber, lodgepole, spruce, balsam and aspen.						
	Undergrowth, scattered short brush; medium growth of grass and weeds. fair grazing land.						
	S. 89° 54'E., on random line bet. secs. 1 and 12.						
40.00	Set temp. $\frac{1}{2}$ sec. cor.						
80.02	Intersect E. bdy. of Tp., 21 lks. S. of the cor. of secs. 1, 6, 7 and 12, as described in the field notes of survey of T. 1 S., R. 9 E., this group; thence						
	S. 89° 57'W., on true line bet. secs. 1 and 12.						
	Ascend E. slope over mountainous land, through medium dense aspen, balsam, lodgepole and Douglas fir timber, and scattered undergrowth.						
11.00	Ridge, 100 ft. above sec. cor., brs. N. 15°W., and S. 15° E., descend steep W. slope.						
40.01	On steep W. slope, 890 ft. below ridge.						
	Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked						

SUBDIVISION OF T. 1 S., R. 8 E.

Chains	
	<div>S 1 ✓ 1/4 S 12 1930 from which</div> <div>A Douglas fir, 14 ins. diam., brs. N. 5° E., 44 lks. dist., marked 1/4 S 1 B T.</div> <div>A Douglas fir, 20 ins. diam., brs. S. 9° E., 27 lks. dist., marked 1/4 S 12 B T.</div>
48.90	Stream of clear water, 30 lks. wide, 4 ins. deep, in canyon of Middle Fork of Weber River, drains N. 30° W., 1/4 sec. cor.; Trail crossing stream, brs. NE. and SW, ascend steep NE. slope entering medium dense aspen and scattered lodgepole, spruce and balsam timber.
80.02	The cor. of secs. 1, 2, 11 and 12, 665 ft. above canyon. Land, mountainous; steep slopes; N. drainage. Soil, rocky mountain loam; 2nd to 3rd rate. Timber, lodgepole, spruce, balsam and aspen. Undergrowth, scattered short brush; medium growth of grass and weeds. Good grazing land.
	<div>N. 0° 01' W., bet. secs. 1 and 2.</div> <div>Descend steep NE. slope over mountainous land, through scattered lodgepole, spruce, balsam and aspen timber, and scattered undergrowth.</div>
38.00	Bottom of canyon of Middle Fork of Weber River, 975 ft. below sec. cor., brs. NW. and SE.; thence over rolling bottom of canyon, through clumps of dense lodgepole.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 1/4 sec. cor., with brass cap marked <div>1/4 S 2 S 1 1930 from which</div> <div>A lodgepole, 16 ins. diam., brs. N. 8° 45' E., 156 lks. dist., marked 1/4 S 1 B T.</div> <div>A lodgepole, 16 ins. diam., brs. N. 18° 30' W., 140 lks. dist., marked 1/4 S 2 B T.</div>
47.90	Middle Fork of Weber River, stream of clear water, 30 lks. wide, 4 ins. deep, drains N., from S. 20° E.; thence along stream.
50.00	Stream of water, drains N. 15° W., from the S.; thence over rolling bottom of canyon.
59.60	Trail, brs. N. 20° W., and S. 20° E.
73.20	Recross stream of Middle Fork of Weber River, drains N. 15° E.
89.67	Intersect the Salt Lake Base Line, N. 89° 42' E., 18.22

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

hrs. dist. from the standard cor. of secs. 35 and 36, heretofore described.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for closing cor. of secs. 1 and 2, with brass cap marked

TLN R8E.

S 36

S 2 S 1

T1S R8E

CC

1930

from which

A lodgepole, 10 ins. diam., brs. S.16°15'E., 82 lks. dist., marked T1 S R 8 E S 1 CC BT.

A lodgepole, 10 ins. diam., brs. S.28°30'W., 172 lks. dist., marked T1 S R 8 E S 2 CC BT.

Land, mountainous; steep slopes on S. half mile and rolling bottom of canyon on N. half mile.

Soil, rocky mountain loam; 2nd to 3rd rate.

Timber, lodgepole, spruce, balsam and aspen.

Undergrowth, young pine and aspen and short brush; medium growth of grass and weeds. Good grazing land.

From the true point for cor. of secs. 2, 3, 34 and 35, on S. bdy. of Tp., which is 20 lks. E. of the witness cor., as described in the field notes of the survey of T. 2 S., R. 8 E., group No. 173, Utah; thence

N. 0° 02'W., bet. secs. 34 and 35.

Ascend rocky SE. slope over mountainous land, through medium dense timber and scattered undergrowth.

2.00 Rocky spur, 50 ft. above true point for sec. cor., slopes SW.; ascend along W. and SW. slopes.

40.00 On rocky SW. slope, 360 ft. above true point for sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$

S34 S35

1930

from which

A spruce, 9 ins. diam., brs. N.68°30'E., 85 lks. dist., marked $\frac{1}{4}$ S 35 B T.

A spruce, 20 ins. diam., brs. S.31°30'W., 45 lks. dist., marked $\frac{1}{4}$ S 34 B T.

Continue ascent over SW. slope.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains							
46.00	W. end of low pass of ridge forming divide bet. the drainage of Weber River and the Provo River, 475 ft. above $\frac{1}{4}$ sec. cor., brs. E. and W.; descend NE. slope.						
61.00	Foot of ridge, brs. N. 20°W., and SE.; thence along E. slope on shelf.						
80.00	On E. slope, 275 ft. below ridge. Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for the cor. of secs. 26, 27, 34 and 35, with brass cap marked						
	<table> <tr> <td>T1S</td><td>R8E</td></tr> <tr> <td>S27</td><td>S26</td></tr> <tr> <td>S34</td><td>S35</td></tr> </table>	T1S	R8E	S27	S26	S34	S35
T1S	R8E						
S27	S26						
S34	S35						
	1930 from which						
	A spruce, 12 ins. diam., brs. N. 79°E., 39 lks. dist., marked T 1 S R 8 E S 26 B T.						
	A spruce, 12 ins. diam., brs. S. 33°E., 63 lks. dist., marked T 1 S R 8 E S 35 B T.						
	A spruce, 20 ins. diam., brs. S. 40°W., 19 lks. dist., marked T 1 S R 8 E S 34 B T.						
	A balsam, 8 ins. diam., brs. N. 79°30'W., 43 lks. dist., marked T 1 S R 8 E S 27 B T.						
	Land, mountainous; rocky and broken slopes.						
	Soil, shallow rocky loam; 3rd to 4th rate.						
	Timber, medium dense lodgepole, spruce and balsam.						
	Undergrowth, scattered pine stool and short brush; medium growth of grass and weeds. Fair grazing land.						
	East, on random line bet. secs. 26 and 35.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
79.82	Intersect N. and S. line, 14 lks. N. of the cor. of secs. 25, 26, 35 and 36; thence						
	N. 89° 54'W., on true line bet. secs. 26 and 35.						
	Descend W. slope over mountainous land, through medium dense timber and scattered undergrowth:						
0.34	Stream of clear water, 5 lks. wide, 2 ins. deep, drains NW.; descend broken NW. slope.						
14.40	Trail, brs. N. and S.						
19.90	Middle Fork of Weber River, stream of clear water, 5 lks. wide, 2 ins. deep, in canyon; 240 ft. below sec. cor., drains N.; ascend over rocky E. slope; broken by rock outcrops.						
23.40	Stream of clear water, 6 lks. wide, 1 in. deep, drains N. 50°E.; continue ascent.						

SUBDIVISION OF T. 1 S., R. 8 E.

Chains	
36.00	Top of rocky ascent, brs. N. and S.; thence over rolling E. slope or shelf.
39.91	<p>On E. slope, 210 ft. above canyon.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.</p>
	S 26
	S 35
	1930 from which
	A balsam, 7 ins. diam., brs. S. 66° 30' W., 126 lks. dist., marked $\frac{1}{4}$ S 35 R T.
	A spruce, 14 ins. diam., brs. N. 51° W., 29 lks. dist., marked $\frac{1}{4}$ S 26 R T.
43.00	N. end of pond of water, 1 chs. diam.; ascend rocky E. slope.
59.00	Top of steep ascent, brs. N. and S.; thence over rolling E. slope.
63.90	Stream of clear water, 2 lks. wide, 2 ins. deep, drains N. 20° E.
67.50	Abrupt ascent over rocky E. slope, brs. N. and S.
73.50	Top of abrupt ascent, brs. N. and S.; thence over rolling E. slope.
76.60	Stream of clear water, 3 lks. wide, 2 ins. deep, drains N. 20° E.
79.82	The cor. of secs. 26, 27, 34 and 35, 380 ft. above $\frac{1}{4}$ sec. cor.
	Land, mountainous; broken and rocky slopes.
	Soil, shallow rocky loam; 3rd to 4th rate.
	Timber, medium dense lodgepole, spruce and balsam.
	Undergrowth, scattered pine stool and short brush. Medium growth of grass and weeds. Fair grazing land.
	N. 0° 02' W., bet. secs. 26 and 27.
	Descend slightly along rolling E. slope over mountainous land, through medium dense timber and scattered undergrowth.
32.10	Stream of clear water, 4 lks. wide, 2 ins. deep, in draw, 320 ft. below sec. cor., drains N. 30° E.; ascend SE. slope.
40.00	On low rocky spur, 50 ft. above draw, slopes N. 30° E.
	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground on surface rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

S27	S26
-----	-----

1930

from which

A balsam, 12 ins. diam., brs. S. 55° 15' E., 36 lks.
dist., marked $\frac{1}{4}$ S 26 B T.

A spruce, 18 ins. diam., brs. S. 52° 30' W., 33 lks.
dist., marked $\frac{1}{4}$ S 27 B T.

Descend NW. slope.

44.60 From this point, NE. end of small lake, 8 chs. long, NE.
end S7., 4 chs. wide, NW. and SE., brs. W., 2.60 chs.
dist.

48.30 Stream of clear water, 2 lks. wide, 1 in. deep, in draw
30 ft. below $\frac{1}{4}$ sec. cor., drains NE.; thence along E.
slope.

69.00 Ascend SE. slope, brs. NE. and SW.

78.00 Top of rocky spur, 125 ft. above draw, projects N. 35° E.;
descend NW. slope.

80.00 On NW. slope, 30 ft. below spur.

On surface rock, mark a X, over which set an iron post,
3 ft. long, 2 ins. diam., in a mound of stone to top,
for the cor. of secs. 22, 23, 26 and 27; with brass cap
marked

T1S	R8E
S22	S23
S27	S26

1930

from which

A spruce, 8 ins. diam., brs. N. 63° 15' E., 144 lks.
dist., marked T 1 S R 8 E S 23 B T.

A spruce, 14 ins. diam., brs. S. 55° 30' E., 54 lks.
dist., marked T 1 S R 8 E S 26 B T.

A balsam, 12 ins. diam., brs. S. 60° W., 169 lks.
dist., marked T 1 S R 8 E S 27 B T.

A balsam, 12 ins. diam., brs. N. 52° 30' W., 65 lks.
dist., marked T 1 S R 8 E S 22 B T.

Land, mountainous; NE. exposure and drainage.

Soil, shallow rocky mountain loam; 3rd rate.

Timber, spruce, balsam and lodgepole.

Undergrowth, scattered short brush; medium growth of
grass and weeds; good grazing land.

S. 89° 54' E., on random line bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect N. and S. line, 5 lks. N. of the cor. of secs.
23, 24, 25 and 26; thence

SUBDIVISION OF T. 1 S., R. 8 E.

Chains	
	<p>✓</p> <p>N. 89° 52' W., on true line bet. secs. 23 and 26.</p> <p>Descend NW. slope over mountainous land, through medium dense timber and scattered undergrowth.</p>
20.00	Trail, brs. N. 15° E., and S. 15° W.
21.50	Middle Fork of Weber River, stream of clear water, 10 lks. wide, 4 ins. deep, in canyon, 570 ft. below sec. cor., drains N. 15° E.; ascend broken NE. slope.
39.95	<p>On broken NE. slope, 460 ft. above canyon.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground on solid rock and in a mound of stone to top, for a sec. cor., with brass cap marked</p> <div style="text-align: center;"> $\begin{array}{r} S\ 23 \\ \frac{1}{4} \\ \hline S\ 26 \end{array}$ </div> <p>1930. from which.</p> <p>A spruce, 14 ins. diam., brs. S. 35° E., 16 lks. dist., marked $\frac{1}{4}$ S 26 B T.</p> <p>A lodgepole, 20 ins. diam., brs. N. 35° W., 33 lks. dist., marked $\frac{1}{2}$ S 25 B T.</p>
42.40	Top of ledge, 70 ft. high, brs. N. and S.
57.00	Spur, 230 ft. above a sec. cor., projects N. 30° E.; descend NW. slope.
69.40	Stream of clear water, 4 lks. wide, 1 in. deep, in ravine, 100 ft. below spur, drains N. 30° E.; ascend SE. slope.
78.00	Spur, 130 ft. above ravine, projects NE.; descend NW. slope.
79.90	<p>The cor. of secs. 22, 23, 26 and 27; 15 ft. below spur.</p> <p>Land, mountainous; broken slopes; N. drainage.</p> <p>Soil, shallow rocky loam; 3rd rate.</p> <p>Timber, lodgepole, spruce and balsam.</p> <p>Undergrowth, scattered young pine and short brush; medium growth of grass and weeds. Fair grazing land.</p>
	<p>N. 0° 02' W., bet. secs. 22 and 23.</p> <p>Descend NW. slope over mountainous land, through medium dense timber and scattered undergrowth.</p>
20.60	Stream of clear water, 10 lks. wide, 3 ins. deep, in ravine, 130 ft. below sec. cor., drains NE.; ascend SE. slope.
27.30	Top of ascent, 30 ft. above ravine, slopes E.; descend NE. slope.
31.30	Stream of clear water, 6 lks. wide, 3 ins. deep, in ravine, 50 ft. below top of ascent, drains S. 70° E.; ascend rocky SE. slope.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains		enlarged
40.00	On rocky SE. slope, 175 ft. above ravine. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;">$\frac{1}{4}$ S22 S23 1930</div> from which A balsam, 8 ins. diam., brs. S. 15°E., 24 lks. dist., marked $\frac{1}{4}$ S 23 B T. A lodgepole, 14 ins. diam., brs. S. 87°W., 51 lks. dist., marked $\frac{1}{4}$ S 22 B T.	00.08
54.70	Ridge, 220 ft. above $\frac{1}{4}$ sec. cor., brs. N. 70°E., and S. 70°W.; descend rocky N. slope.	
71.40	S. edge of lake, brs. E. 2 chs., and W. 2 chs.; thence across lake.	
72.60	N. edge of lake, brs. E. and W.; continue descent over N. slope.	
80.00	On N. slope, 260 ft. below ridge. Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground on solid rock and in a mound of stone to top, for the cor. of secs. 14, 15, 22 and 23, with brass cap marked <div style="text-align: center;">T1S R8E S15 S14 S22 S23 1930</div> from which A spruce, 18 ins. diam., brs. N. 60°30'E., 95 lks. dist., marked T 1 S R 8 E S 14 B T. A spruce, 20 ins. diam., brs. S. 6°30'E., 123 lks. dist., marked T 1 S R 8 E S 23 B T. A spruce, 20 ins. diam., brs. S. 67°45'W., 49 lks. dist., marked T 1 S R 8 E S 22 B T. A spruce, 8 ins. diam., brs. N. 65°W., 66 lks. dist., marked T 1 S R 8 E S 15 B T. Land, mountainous; rocky and broken slopes. Soil, shallow rocky mountain loam; 3rd to 4th rate. Timber, lodgepole, spruce and balsam. Undergrowth, scattered young pine and short brush; medium growth of grass and weeds. Fair grazing land.	

SUBDIVISION OF T. 1 S., R. 8 E.

Chains	
	S. 89° 52'E., on random line bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.84	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 13, 14, 23 and 24; thence N. 89° 51'W., on true line bet. secs. 14 and 23. Descend NW. slope over mountainous land, through medium dense timber and scattered undergrowth.
5.20	Trail, brs. N. 10°E., and S. 10°W.
6.15	Middle Fork of Weber River, stream of clear water, 10 lks. wide, 6 ins. deep, in canyon, 90 ft. below sec. cor.; drains N. 10°E.; ascend steep and rocky E. slope.
39.92	True point for $\frac{1}{4}$ sec. cor., falls on face of ledge, where it is impracticable to set cor. monument.
40.66	On S. side of top of rocky spur, 970 ft. above canyon. Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground on solid rock and in a mound of stone to top, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;"> $\begin{array}{r} S\ 14 \\ \frac{1}{4} \text{ } \\ \hline S\ 23 \end{array} \quad WC$ </div> 1930 from which A lodgepole, 9 ins. diam. brs. N. 34°E., 74 lks. dist., marked WC $\frac{1}{4}$ S 14. B T. A lodgepole, 8 ins. diam., brs. S. 48°15'W., 32 lks. dist., marked WC $\frac{1}{4}$ S. 23 B T.
	Thence along S. slope near top of spur.
49.00	From this point, N. edge on lake, 5 chs. long, E. and W. and 3 chs. wide, N. and S., brs. S. 5 chs. dist.
55.00	Ridge, brs. N. 50°E., and S. 50°W.; descend NW. slope.
71.60	From this point, N. edge of lake, 6 chs. long, N. and S. 2 chs. wide, E. and W., brs. N. 37°E., 14.00 chs. dist.
75.35	Ravine, 200 ft. below ridge; drains NE.; thence ascend along N. slope.
79.84	The cor. of secs: 14, 15, 22 and 23; 50 ft. above ravine. Land, mountainous; steep and broken slopes. Soil, shallow rocky mountain loam; 3rd and 4th rate. Timber, medium dense lodgepole, spruce and balsam. Undergrowth, scattered young pine and short brush; medium growth of grass and weeds. Poor grazing land.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

enclaves

N. 0° 02' W., bet. secs. 14 and 15.

Descend N. slope broken by rock outcrops, over mountainous land, through medium dense timber and scattered undergrowth.

40.00 On broken N. slope, 200 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground on solid rock and in a mound of stone to top, for sec. cor., with brass cap marked

$\frac{1}{4}$
S15 | S14

1930

from which

A balsam, 12 ins. diam., brs. N. 21° E., 67 lks.. dist., marked $\frac{1}{4}$ S 14 B T.

A spruce, 6 ins. diam., brs. N. 61° 30' W., 15 lks.. dist., marked $\frac{1}{4}$ S 15 B T.

52.00 Stream of clear water, 3 lks. wide, 2 ins. deep, in ravine, 120 ft. below sec. cor., drains NE.; ascend rocky SE. slope.

62.00 From this point, lake about 5 chs. diam., brs. S. 75° E., (See notes of line bet. secs. 11 and 14); lake about 5 chs. diam., brs. S. 13° W. (See notes of line bet. secs. 21 and 22.)

64.00 Ridge, 320 ft. above ravine, brs. N. 70° E., and S. 70° W.; descend NE. slope.

80.00 In head of draw, 290 ft. below top of ridge, drains N. 10° E.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for the cor. of secs. 10, 11, 14 and 15, with brass cap marked

T1S | R8E
S10 | S11
S15 | S14

1930

from which

A balsam, 24 ins. diam., brs. N. 32° 30' E., 184 lks.. dist., marked T 1 S R 8 E S 11 B T.

A balsam, 5 ins. diam., brs. N. 54° 30' W., 62 lks.. dist., marked T 1 S R 8 E S 10 B T.

No suitable bearing trees to S.; raise a mound of stone, 2½ ft. base, 2 ft. high W. of cor.

Land, mountainous; broken and rocky slopes.

Soil, shallow rocky mountain loam; 3rd to 4th rate.

Timber, lodgepole, balsam and spruce.

Undergrowth, scattered young pine and short brush; medium growth of grass and weeds. Fair grazing land.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains	
	S. 89° 51'E., on random line bet. secs. 11 and 14.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect N. and S. line, 16 lks. S. of the cor. of secs. 11, 12, 13 and 14; ✓ thence
	N. 89° 58'W., on true line bet. secs. 11 and 14.
	Ascend rocky SE. slope over mountainous land, through medium dense timber.
10.00	Top of ascent, 180 ft. above sec. cor., slopes NE.; descend.
11.00	Stream of clear water, 15 lks. wide, 3 ins. deep, in draw, 15 ft. below top of ascent, drains NE.; ascend rocky SE. slope..
14.30	Trail, hrs. NE. and SW.
39.97	On rocky SE. slope, 650 ft. above draw,.
	Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	<div style="display: inline-block; text-align: center;"> S 11 <hr style="width: 50px; border: 0.5px solid black;"/> S 14 </div>
	1930 from which.
	A lodgepole, 8 ins. diam., hrs. N. 68°E., 13 lks. dist., marked $\frac{1}{4}$ S 11 R T.
	A lodgepole, 10 ins. diam., hrs. S. 19°W., 13 lks. dist., marked $\frac{1}{4}$ S 14 R T.
44.00	Enter sliderock, hrs. NE. and SW.
52.50	Leave sliderock, hrs. NE. and SW.
61.00	Ridge, 510 ft. above $\frac{1}{4}$ sec. cor., hrs. NE. and SW. From this point, take hrs. S23°30' E. (See notes of line secs. 14 and 15.)
	Descend NW. slope.
79.94	The cor. of secs. 10, 11, 14 and 15, 230 ft. below ridge.
	Land, mountainous; steep rocky slopes; NE. drainage.
	Soil, rocky mountain loam; 3rd to 4th rate.
	Timber, medium dense lodgepole, spruce and balsam.
	Undergrowth, scattered pine stool and short brush; medium growth of grass and weeds. Fair grazing land.
	<hr style="width: 200px; margin: 10px auto;"/>
	N. 0° 02'W., bet. secs. 10 and 11.
	Descend along E. slope on W. side of draw over mountainous land, through medium dense timber and scattered undergrowth.
7.70	Stream of clear water, 4 lks. wide, 2 ins. deep, in draw 30 ft. below sec. cor., drains N. 15°W.; descend along

SUBDIVISION OF T. 1 S., R. 8 E.

entered

Chains

E. side of draw.

25.10 Recross draw and stream of water, 130 ft. below sec. cor. drains N. 20°E.; descend along W. side of draw.

40.00 On NE. slope, 280 ft. below sec. cor.

Set an iron post, 3 ft. long 1 in. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

S10	S11
-----	-----

1930

from which

A spruce, 8 ins. diam., brs. S. 74°E., 23 lks. dist., marked $\frac{1}{4}$ S 11 B T.

A spruce, 7 ins. diam., brs. N. 38°30'W., 29 lks. dist., marked $\frac{1}{4}$ S 10 B T.

52.90 Recross draw, 150 ft. below $\frac{1}{4}$ sec. cor., drains NW.; descend NW. slope.71.30 Stream of clear water, 5 lks. wide, 2 ins. deep, in ravine, 350 ft. below $\frac{1}{4}$ sec. cor., drains NW.; ascend SW. slope.

80.00 On SW. slope, 160 ft. above ravine.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 2, 3, 10 and 11, with brass cap marked

T1S	R8E
S 3	S 2
S 10	S 11

1930

from which

A balsam, 20 ins. diam., brs. N. 55°45'E., 132 lks. dist., marked T1 S R 8 E S 2 B T.

A lodgepole, 18 ins. diam., brs. S. 49°E., 36 lks. dist., marked T1 S R 8 E S 11 B T.

A lodgepole, 16 ins. diam., brs. S. 62°15'W., 58 lks. dist., marked T1 S R 8 E S 10 B T.

A lodgepole, 8 ins. diam., brs. N. 18°30'W., 60 lks. dist., marked T1 S R 8 E S 3 B T.

Land, mountainous; rolling slopes; NW. drainage.

Soil, rocky mountain loam; 2nd to 3rd rate.

Timber, medium dense lodgepole, spruce and balsam.

Undergrowth, scattered young pine and short brush; medium growth of grass and weeds. Good grazing land.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

S. 89° 58'E., on random line bet. secs., 2 and 11.

40.00 Set temp. $\frac{1}{4}$ sec. cor..

79.98 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 1, 2, 11 and 12; thence

N. 89° 56'W., on true line bet. secs. 2 and 11.

Ascend rocky E. slope over mountainous land, through scattered aspen, lodgepole, spruce and balsam timber, and scattered undergrowth.

39.99 On high rocky ridge, 860 ft. above sec. cor., brs. N. and S.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{S 2}{S 11}$$

1930.

from which

A lodgepole, 12 ins. diam., brs. N. 17°30'E., 98 lks. dist., marked $\frac{1}{4}$ S 2 B T.

A lodgepole, 8 ins. diam., brs. S. 41°30'E., 56 lks. dist., marked $\frac{1}{4}$ S 11 B T.

Descend W. slope, leaving aspen timber and entering medium dense lodgepole, spruce and balsam.

79.98 The cor. of secs. 2, 3, 10 and 11, 520 ft. below $\frac{1}{4}$ sec. cor.

Land, mountainous: steep slopes.

Soil, rocky mountain loam; 2nd to 3rd rate.

Timber, lodgepole, spruce, balsam and aspen.

Undergrowth, scattered young pine and short brush; medium growth of grass and weeds. Fair grazing land.

N. 0° 02'W., bet. secs. 2 and 3.

Ascend SW. slope over mountainous land, through medium dense timber and undergrowth.

8.60 Top of ascent, 50 ft. above sec. cor., slopes W.; descend NW. slope.

40.00 On NW. slope, 350 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{S 3}{S 2}$$

1930

from which

A spruce, 6 ins. diam., brs. N. 50°E., 3 lks.

SUBDIVISION OF T. 1 S., R. 8 E.

an iron

Chains

dist., marked $\frac{1}{4}$ S 2 B T.A spruce, 24 ins. diam., brs. S. 59°W., 120 lks. 80.00
dist., marked $\frac{1}{4}$ S 3 B T.

- 45.00 Bottom of descent, 75 ft. below $\frac{1}{4}$ sec. cor., drains W.; ascend S7. slope.
- 52.50 Top of ascent, 30 ft. above foot of descent, slopes W.; descend N7. slope.
- 59.40 Draw, 330 ft. below top of ascent, drains S. 70°W.; ascend S7. slope.
- 71.00 Top of ascent, 40 ft. above draw, slopes W.; descend NW. slope.
- 84.70 Gardner's Canyon, stream of clear water, 15 lks. wide, 5 ins. deep, 275 ft. below top of ascent, drains NE.; ascend S7. slope.
- 88.58 Intersect the Salt Lake Base Line, N. 89° 16'E., 16.69 chs. dist. from the standard cor. of secs. 34 and 35, heretofore described.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground on solid rock and in a mound of stone to top, for the closing cor. of secs. 2 and 3, with brass cap marked

T1N R8E

S 35

S 3 S 2

T1S R8E

CC

1930

from which

A lodgepole, 10 ins. diam., brs. S. 66°E., 82 lks. dist., marked T 1 S R 8 E S 2 CC BT.

A lodgepole, 8 ins. diam., brs. S. 45°W., 110 lks. dist., marked T 1 S R 8 E S 3 CC BT.

Cor. stands on S. slope, 15 ft. above bottom of canyon.

Land, mountainous; NW. exposure.

Soil, rocky mountain loam; 2nd to 3rd rate.

Timber, medium dense lodgepole, spruce and balsam.

Undergrowth, scattered young pine and short brush.
Medium growth of grass and weeds. Good grazing land.

From the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp., as described in the field notes of the survey of T. 2 S., R. 8 E., group No. 173, Utah.

Thence

N. 0° 02'W., bet. secs. 33 and 34.

Ascend S7. slope covered with slide rock over mountainous

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

land, through scattered patches of undergrowth of pine stool.

6.00 Top of ascent, 60 ft. above sec. cor., on W. side of peak; descend NW. slope.

40.00 On NW. slope in sliderock, 650 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in sliderock, for $\frac{1}{4}$ sec. cor., with brass cap marked

	$\frac{1}{4}$	
S33		S34

1930

raise a

mound of stone, 3 ft. base, 2 ft. high W. of cor.

47.00 Leave sliderock, enter medium dense timber, brs. E. and W.

51.80 Stream of clear water, 5 lks. wide, 2 ins. deep, in ravine, 190 ft. below $\frac{1}{4}$ sec. cor., drains W.; ascend over rolling SW. slope.

72.30 Trail, brs. E. and W.

72.50 Stream of clear water, 3 lks. wide, 1 in. deep, drains W.

76.00 Top of ascent, 190 ft. above ravine, slopes W.; descend NW. slope.

80.00 On NW. slope, 70 ft. below top of ascent.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for the cor. of secs. 27, 28, 33 and 34, with brass cap marked

T1S		R8E
S28		S27
S33		S34

1930

from which.

A spruce, 24 ins. diam., brs. N.2° 30'E., 46 lks. dist., marked T 1 S R 8 E S 27 B T.

A spruce, 24 ins. diam., brs. S.20° 30'E., 37 lks. dist., marked T 1 S R 8 E S 34 B T.

A balsam, 9 ins. diam., brs. S.10° 45'W., 60 lks. dist., marked T 1 S R 8 E S 33 B T.

A spruce, 16 ins. diam., brs. N.23° 30'W., 22 lks. dist., marked T 1 S R 8 E S 28 B T.

Land, mountainous; steep rocky slopes on S. half mile; NW. exposure and drainage.

Soil, sliderock on S. portion and rocky mountain loam on N. portion of mile; 3rd to 4th rate.

Timber, medium dense lodgepole, spruce and balsam on portion of mile.

Undergrowth, scattered pine stool and short brush.
Medium growth of grass and weeds on N. portion of mile.
Poor grazing on S. portion and good grazing on N. portion

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

East, on random line bet. secs. 27 and 34.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line; 5 lks. N. of the cor. of secs. 26, 27, 34 and 35; thence

N. $89^{\circ} 58' W.$, on true line bet. secs. 27 and 34.

Ascend gradual NE. slope over mountainous land, through medium dense timber and scattered undergrowth.

10.00 Foot of rocky ridge, brs. N. and S.; abrupt ascent over rocky E. slope, entering scattered timber, brs. N. and S.

22.75 Top of ascent on ridge, 500 ft. above sec. cor., brs. N. $15^{\circ} W.$, and S. $15^{\circ} E.$; slopes N. $15^{\circ} W.$; descend rocky NW. slope.

40.01 On rocky NW. slope, 350 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{r} S\ 27 \\ \frac{1}{4} \\ \hline S\ 34 \end{array}$$

1930

from which

A spruce, 18 ins. diam., brs. N. $15^{\circ} W.$, 130 lks. dist., marked $\frac{1}{4}$ S 27 B T.A spruce, 8 ins. diam., brs. S. $45^{\circ} W.$, 96 lks. dist., marked $\frac{1}{4}$ S 34 B T.45.00 Foot of ridge, 150 ft. below $\frac{1}{4}$ sec. cor., brs. N. and S.; descend gradual NW. slope, entering medium dense timber, brs. N. and S.58.30 Stream of clear water, 4 lks. wide, 2 ins. deep, drains N. $30^{\circ} W.$

66.25 From this point, N. edge of small lake brs. S. 90 lks. dist.; lake is about 3 chs. long, N. and S., and 2 chs. wide, E. and W.

77.00 Descend steep NW. slope, brs. N. and SW.

80.02 The cor. of secs. 27, 28, 33 and 34, 420 ft. below $\frac{1}{4}$ sec. cor.

Land, mountainous; steep and rocky slopes.

Soil, rocky mountain loam and loose rocks; 3rd to 4th rate.

Timber, medium dense lodgepole, spruce and balsam on portions of mile.

Undergrowth, scattered young pine and short brush. Medium growth of grass and weeds on W. portion of mile. Fair grazing on W. $\frac{1}{2}$ mile, and poor grazing on E. $\frac{1}{2}$ mile.

.SUBDIVISION OF T. 1 S., R. 8 E.

Chains

N. 0° 02' W., bet. secs. 27 and 28.

Along broken W. slope over mountainous land, through medium dense timber and scattered undergrowth.

8.00 Stream of clear water, 5 lks. wide, 2 ins. deep, drains W.

22.00 Ascend steep SW. slope over sliderock and enter scattered timber, brs. E. and W.

40.00 On steep SW. slope, 650 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{2}$ sec. cor., with brass cap marked

	1	
S28		S27

1930

from which

A spruce, 18 ins. diam., brs. S. 83° 15' E., 35 lks. dist., marked $\frac{1}{2}$ S 27 B T.

A spruce, 24 ins. diam., brs. S. 20° 30' W., 16 lks. dist., marked $\frac{1}{2}$ S 28 B T.

48.00 Spur, 100 ft. above $\frac{1}{2}$ sec. cor., projects W.; descend steep N. slope over sliderock.

68.00 Stream of clear water, 6 lks. wide, 2 ins. deep, in ravine, 500 ft. below spur, drains W.; ascend over rolling SW. slope broken by boulders; enter medium dense timber, brs. E. and W.

78.00 Small lake, 2 chs. long, W. and S., and 1 ch. wide, E. and W., brs. W. 1.30 chs. dist.

80.00 On surface rock mark a cross (X), over which set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone to top, for the cor. of secs. 21, 22, 27 and 28, with brass cap marked

T1S	R8E
S21	S22
S28	S27

1930

from which

A spruce, 10 ins. diam., brs. N. 52° E., 61 lks. dist., marked T 1 S R 8 E S 22 B T.

A spruce, 10 ins. diam., brs. S. 87° 30' E., 39 lks. dist., marked T 1 S R 8 E S 27 B T.

A balsam, 8 ins. diam., brs. S. 37° 30' W., 66 lks. dist., marked T 1 S R 8 E S 28 B T.

A spruce, 20 ins. diam., brs. N. 53° W., 87 lks. dist., marked T 1 S R 8 E S 21 B T.

Land, mountainous; steep rocky slopes; W. exposure.

Soil, rocky mountain loam and sliderock; 3rd to 4th rate

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

Timber, medium dense growth of lodgepole, spruce and balsam on portion of mile, and scattered growth on portion.

Undergrowth, scattered pine stool and short brush. Scattered growth of grass and weeds; poor grazing land.

S. 89° 58'E., on random line bet. secs. 22 and 27.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect N. and S. line, 21 lks. N. of the cor. of secs. 22, 23, 26 and 27; thence

N. 89° 49'W., on true line bet. secs. 22 and 27.

Descend rolling NW. slope over mountainous land, through medium dense timber and scattered undergrowth.

14.30 Stream of clear water, 4 lks. wide, 2 ins. deep, in ravine, 40 ft. below sec. cor., drains N. 20°E.; abrupt ascent over ledges.

24.50 Top of abrupt ascent, 220 ft. above ravine, brs. NE. and SW.; ascend over rolling NE. slope.

29.00 From this point, the outlet of lake brs. N. 17°E., 45.30 chs. dist.; lake is about 20 chs. long, NE. and SW.; and 11 chs. wide, NW. and SE., and contains approximately 15 acres.

30.00 Foot of rocky ridge, brs. N. and S.; abrupt ascent over broken NE. slope, leaving timber, brs. N. and S.

39.95 On steep NE. slope, 600 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{r} S\ 22 \\ \frac{1}{4} \text{ ---} \\ S\ 27 \end{array}$$

1930

raise a

mound of stone, 3 ft. base, 2 ft. high N. of cor.

48.00 Rocky ridge, 400 ft. above $\frac{1}{4}$ sec. cor., brs. N. 20°W., and S. 20°E., descend steep and rocky W. slope.

63.00 Foot of rocky ridge, brs. N. and S.; descend over rolling and broken W. and SW. slope; enter medium dense timber, brs. N. and S.

79.90 The cor. of secs. 21, 22, 27 and 28, 830 ft. below top of ridge.

Land, mountainous; steep and rocky slopes.

Soil, shallow rocky mountain loam and loose rocks; 3rd to 4th rate.

Timber, medium dense lodgepole, spruce and balsam on portion of mile.

Undergrowth, scattered pine stool and short brush. Scattered grass and weeds; poor grazing land.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

N. 0° 02'W., bet. secs. 21 and 22.

Ascend slightly along broken W. slope, over mountainous land, through medium dense timber and scattered undergrowth.

22.00 Top of ascent, 30 ft. above sec. cor., slopes W.; descend.

37.75 Stream of clear water, 4 lks. wide. 1 in. deep, in draw, 30 ft. below top of ascent; drains S.50°W.; ascend slightly over rocky SW. slope.

40.00 On SW. slope, 20 ft. above draw.

On surface rock mark a cross (X), over which set an iron post, 3 ft. long, 1 in. diam., in large mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

	$\frac{1}{4}$	
S21		S22

1930

from which

A balsam, 8 ins. diam., brs. N. 14°E., 10 lks. dist., marked $\frac{1}{4}$ S 22 B T.

A spruce, 6 ins. diam., brs. S. 59°W., 66 lks. dist., marked $\frac{1}{4}$ S 21 B T.

41.00 Top of ascent, 15 ft. above $\frac{1}{4}$ sec. cor., slopes W.; descend NW. slope.

60.00 Draw, 80 ft. below top of ascent, drains W.; ascend steep and rocky SW. slope, leaving timber, brs. W. and S.

77.50 Rocky ridge, 650 ft. above draw. brs. N. 75°W., and S. 75°E.; descend rocky N. slope.

80.00 On steep N. slope, 85 ft. below ridge,

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 15, 16, 21 and 22, with brass cap marked

T1S	R8E
S16	S15
S21	S22

1930

raise a

mound of stone, 3 ft. base, 2 ft. high W. of cor.

From the sec. cor., a lake with approximately 3 acres, brs. N. 28° 30'E.; lake with approximately $\frac{1}{2}$ acres, brs. N.49° 30'E., and lake with an area of approximately 3 acres brs. N.64° 30'E. (See notes of line bet. secs. 15 and 22.)

Land, mountainous; rolling slopes to W. of S. $\frac{1}{2}$ mile and steep and rocky slopes on N. half mile and to the E. of S. $\frac{1}{2}$ mile.

Soil, Shallow rocky mountain loam; 3rd rate.

Timber, lodgepole, spruce and balsam on portion of mile.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains	
	Undergrowth, scattered pine stool and short brush. Medium growth of grass and weeds. Fair grazing land to W. of S $\frac{3}{4}$ mile, and poor grazing on N. $\frac{1}{4}$ mile.
	S. 89° 49'E., on random line bet. secs. 15 and 22.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.84	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 14, 15, 22 and 23; thence N. 89° 50'W., on true line bet. secs. 15 and 22. Ascend gradual NE. slope broken by rock outcrops, over mountainous land, through scattered timber and scattered undergrowth.
39.92	On broken NE. slope, 220 ft. above sec. cor. Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground on solid rock and in a large mound of stone to top for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;"> S 15 $\frac{1}{4}$ S 22 </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> 1930 from which </div> <div style="margin-top: 10px;"> A spruce, 18 ins. diam., brs. S. 78°W., 19 lks. dist., marked $\frac{1}{4}$ S 22 B T. A spruce, 9 ins. diam., brs. N. 23°W., 62 lks. dist., marked $\frac{1}{4}$ S 15 B T. </div>
46.50	Stream of clear water, 1 lk. wide, 1 in. deep, in draw drains N. 20°E.; ascend steep NE. slope.
53.00	Leave timber, brs. N. and S.
64.50	On divide between drainage to the N., and drainage to the E.; 470 ft. above $\frac{1}{4}$ sec. cor., brs. N. 25°E., and S. 25°W.; slopes N. 25°E. about 20 chs. to low pass. From this point, lake brs. N. 9° 30'E.; lake , brs. N. 25°E.; lake , brs. N. 58°E.; (See notes of line bet. secs. 21 and 22.) Thence along steep N. slope.
79.84	The cor. of secs. 15, 16, 21 and 22. Land, mountainous; surface broken by rock outcrops. Soil, shallow rocky loam and surface rock; 3rd to 4th rate. Timber, scattered lodgepole, spruce and balsam on portion of mile. Undergrowth, scattered short brush. Medium growth of grass and weeds. Fair grazing land.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

N. 0° 02' W., bet.: secs. 15 and 16.

Descend steep N. slope over mountainous land, through scattered undergrowth.

14.00 Head of ravine, 370 ft. below sec. cor., drains W.; ascend SW. slope, entering medium dense timber, brs. NW. and SE.

16.00 Top of spur, 15 ft. above ravine, slopes NW.; descend broken NE. slope.

40.00 On broken NE. slope, at base of ledge 5 ft. high, and 330 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., in crevice of ledge in mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S16 S15

1930

from which

A balsam, 5 ins. diam., brs. N. 75° 30' E., 59 lks. dist., marked $\frac{1}{4}$ S 15 B T.

A balsam, 6 ins. diam., brs. S. 72° W., 65 lks. dist., marked $\frac{1}{4}$ S 16 B T.

43.00 Edge of lake, brs. W. about 5 chs., and E. about 10 chs.; thence across lake.

46.90 Edge of lake, brs. E. and W.; lake has an area of approximately $6\frac{1}{2}$ acres; lake is 90 ft. below $\frac{1}{4}$ sec. cor.; ascend rocky SW. slope.

49.50 Top of ascent, 15 ft. above lake, slopes W.; descend along NW. slope.

65.40 Stream of clear water, 2 lks. wide, 1 in. deep, drains N. 50° W.

80.00 On NW. slope, 360 ft. below top of ascent.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for the cor. of secs. 9, 10, 15 and 16, with brass cap marked

T1S	R8E
S.9	S10
S16	S15

1930

from which

A lodgepole, 24 ins. diam., brs. N. 35° E., 62 lks. dist., marked T 1 S R 8 E S 10 B T.

A lodgepole, 14 ins. diam., brs. S. 76° 30' E., 29 lks. dist., marked T 1 S R 8 E S 15 B T.

A lodgepole, 15 ins. diam., brs. S. 15° 30' W., 81 lks. dist., marked T 1 S R 8 E S 16 B T.

A lodgepole, 20 ins. diam., brs. N. 72° 30' W., 84 lks. dist., marked T 1 S R 8 E S 9 B T.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

Land, mountainous; rocky slopes; NW. drainage.

Soil, shallow rocky mountain loam; 3rd rate.

Timber, medium dense lodgepole, spruce and balsam on portion of mile.

Undergrowth, scattered short brush; medium growth of grass and weed. Fair grazing land.

S. 89° 50'E., on random line bet. secs. 10 and 15.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 10, 11, 14 and 15; thence

N. 89° 53'W., on true line bet. secs. 10 and 15.

Ascend steep E. slope over mountainous land, through medium dense timber and scattered undergrowth.

15.00 Rocky ridge, 550 ft. above sec. cor., brs. N. 15°E., and S. 15°W.; descend NW. slope.

39.95 In draw, 570 ft. below ridge, drains N. 20°W.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock and in a mound of stone to top for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{S 10}{S 15}$$

1930

from which

A lodgepole, 18 ins. diam., brs. S. 15°30'W., 60 lks. dist., marked $\frac{1}{4}$ S 15 B T.

A lodgepole, 20 ins. diam., brs. N. 9° 30'W., 35 lks. dist., marked $\frac{1}{4}$ S 10 B T.

40.20 Stream of clear water, 2 lks. wide, 1 in. deep, in draw, drains N. 20°W.; ascend NE. slope.

44.00 Top of ascent, 40 ft. above $\frac{1}{4}$ sec. cor., slopes NW.; descend NW. slope.

79.90 The cor. of secs. 9, 10, 15 and 16, 100 ft. below top of ascent.

Land, mountainous; broken slopes; drainage NW.

Soil, rocky mountain loam; 3rd rate.

Timber, medium dense lodgepole, spruce and balsam.

Undergrowth, scattered young pine and short brush.

Medium growth of grass and weeds. Good grazing land.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

N. 0° 02' W., bet. secs. 9 and 10. . .

Descend NW. slope over mountainous land, through medium dense timber and scattered undergrowth.

18.20 Stream of clear water, 10 lks. wide, 4 ins. deep, in draw, 150 ft. below sec. cor., drains N. 30° E.; ascend SE. slope.

28.00 Top of ascent, 30 ft. above draw, slopes N. 30° E.; descend NW. slope.

38.90 Stream of clear water, 10 lks. wide, 4 ins. deep, in ravine, 240 ft. below top of ascent, drains NE.; descend along NE. slope.

40.00 On NE. slope. . .

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked .

$\frac{1}{4}$
 S 9 | S 10

1930

from which

A lodgepole, 10 ins. diam., brs. N. 49° 30' E., 71 lks. dist., marked $\frac{1}{4}$ S 10 B T.

A balsam, 8 ins. diam., brs. S. 30° W., 22 lks. dist., marked $\frac{1}{4}$ S 9 B T.

60.90 Stream of clear water, 5 lks. wide, 2 ins. deep, in draw, 180 ft. below $\frac{1}{4}$ sec. cor., drains N. 80° E.; ascend SE. slope.

80.00 On SE. slope, 260 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 3, 4, 9 and 10, with brass cap marked

T1S | R8E
 S 4 | S 3

 S 9 | S10

1930

from which

A balsam, 18 ins. diam., brs. N. 78° E., 41 lks. dist., marked T 1 S R 8 E S 3 B T.

A balsam, 12 ins. diam., brs. S. 32° E., 26 lks. dist., marked T 1 S R 8 E S 10 B T.

A lodgepole, 10 ins. diam., brs. S. 34° W., 19 lks. dist., marked T 1 S R 8 E S 9 B T.

A balsam, 12 ins. diam., brs. N. 43° W., 56 lks. dist., marked T 1 S R 8 E S 4 B T.

Land, mountainous; broken slopes; NE. drainage.

Soil, rocky mountain loam; 3rd rate.

Timber, medium dense lodgepole, spruce and balsam.

Undergrowth, scattered young pine and short brush.
 Medium growth of grass and weeds. Good grazing land.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains	
	S. $89^{\circ} 53'E.$, on random line bet. secs. 3 and 10.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 2, 3, 10 and 11; thence
	N. $89^{\circ} 54'W.$, on true line bet. secs. 3 and 10.
	Descend SW. slope over mountainous land, medium dense timber and scattered undergrowth.
11.10	Stream of clear water, 10 lks. wide, 2 ins. deep, in ravine, 180 ft. below sec. cor., drains NW.; ascend NE. slope.
21.00	Top of ascent, 45 ft. above ravine, slopes N.; descend NW. slope.
39.95	On NW. slope, 165 ft. below top of ascent.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S\ 3 \\ \frac{1}{4} \text{---} \\ S\ 10 \end{array}$
	1930 from which
	A lodgepole, 14 ins. diam., brs. N. $19^{\circ}E.$, 31 lks. dist., marked $\frac{1}{4}$ S 3 B T.
	A lodgepole, 18 ins. diam., brs. S. $68^{\circ}E.$, 32 lks. dist., marked $\frac{1}{4}$ S 10 B T.
55.00	Bottom of Gardiner's canyon, stream of clear water, 15 lks. wide, 4 ins. deep, 100 ft. below $\frac{1}{4}$ sec. cor., drains N. $20^{\circ}E.$; ascend SE. slope.
59.40	Trail, brs. N. $20^{\circ}E.$, and S. $20^{\circ}W.$
79.90	The cor. of secs. 3, 4, 9 and 10, 560 ft above canyon.
	Land, mountainous; N. exposure.
	Soil, rocky mountain loam; 2nd to 3rd rate.
	Timber, medium dense lodgepole, spruce and balsam, and scattered aspen.
	Undergrowth, scattered young pine and short brush. Medium growth of grass and weeds. Good grazing land.
	<hr/>
	N. $0^{\circ} 02'W.$, bet. secs. 3 and 4.
	Ascend SE. slope over mountainous land, through medium dense timber and scattered undergrowth.
24.00	Spur, 240 ft. above sec. cor., slopes NE.; descend NW. slope.
40.00	On NW. slope, 250 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

$\frac{1}{2}$
 S 4 | S 3
 1930

from which

A lodgepole, 18 ins. diam., brs. N. 42°E., 68 lks. dist., marked $\frac{1}{2}$ S 3 B T.

A lodgepole, 18 ins. diam., brs. N. 60°W., 53 lks. dist., marked $\frac{1}{2}$ S 4 B T.

44.10 Stream of clear water, 2 lks. wide, 1 in. deep, in draw, 50 ft. below $\frac{1}{2}$ sec. cor., drains N. 30°E.; continue descent over NW. slope.

64.60 Stream of clear water, 4 lks. wide, 1 in. deep, in canyon, 380 ft. below $\frac{1}{2}$ sec. cor., drains E.; ascend SE. slope.

67.20 Trail, brs. E. and W.

87.54 Top of ascent, 400 ft. above canyon.

At this point, set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for witness cor. to the closing cor. of secs. 3 and 4, with brass cap marked

WC
 T1NR8E
 S34
 S 4 | S 3
 T1S R8E
 CC

1930

from which

A lodgepole, 8 ins. diam., brs. S. 57°E., 10 lks. dist., marked T 1 S R 8 E S 3 CC BT.

A lodgepole, 8 ins. diam., brs. S. 56°W., 13 lks. dist., marked T 1 S R 8 E S 4 CC BT.

Thence along steep E. slope over shale outcrop.

88.00 Intersect the Salt Lake Base Line, N. 88° 47'E., 16.56 chs. dist., from the standard cor. of secs. 33 and 34, heretofore described.

Point for closing cor. of secs. 3 and 4, at intersection with the Salt Lake Base Line, falls on steep shale outcrop facing E., where it is impracticable to set cor. Cor. is not set.

Land, mountainous; drainage NE.

Soil, rocky mountain loam; 2nd to 3rd rate.

Timber, medium dense lodgepole, spruce and balsam.

Undergrowth, scattered young pine and short brush. Medium growth of grass and weeds. Good grazing land.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

From the cor. of secs. 4, 5, 32 and 33, on S. bdy. of Tp., as described in the field notes of the survey of T. 2 S., R. 8 E., Group No. 173, Utah; thence

N. 0° 03' W., bet. secs. 32 and 33.

Descend NE. slope over mountainous land, broken by boulders and small ledges, through scattered timber and scattered undergrowth.

40.00 On NE. slope, 360 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S32 | S33

1930

from which

A spruce, 24 ins. diam., brs. N. 15° E., 66 lks. dist., marked $\frac{1}{4}$ S 33 B T.

A balsam, 8 ins. diam., brs. N. 73° W., 13 lks. dist., marked $\frac{1}{4}$ S 32 B T.

49.00 Stream of clear water, 7 lks. wide, 1 in. deep, in draw, 110 ft. below $\frac{1}{4}$ sec. cor., drains NE.; continue descent over NE. slope.

80.00 On broken NE. slope, 530 ft. below $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 28, 29, 32 and 33, with brass cap marked

T1S | R8E
S29 | S28
S32 | S33

1930

from which

A balsam, 7 ins. diam., brs. N. 45° 30' E., 36 lks. dist., marked T 1 S R 8 E S 28 B T.

A balsam, 7 ins. diam., brs. S. 57° 30' E., 26 lks. dist., marked T 1 S R 8 E S 33 B T.

A spruce, 18 ins. diam., brs. S. 38° 30' W., 80 lks. dist., marked T 1 S R 8 E S 32 B T.

A spruce, 20 ins. diam., brs. N. 46° 30' W., 73 lks. dist., marked T 1 S R 8 E S 29 B T.

Land, mountainous; rocky NE. slope.

Soil, shallow rocky mountain loam and surface rock; 3rd to 4th rate.

Timber, scattered growth of lodgepole, spruce and balsam.

Undergrowth, scattered pine stool and short brush. Medium growth of grass and weeds. Fair grazing land.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains	
	East, on random line bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.88	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 27, 28, 33 and 34; thence N. 89° 59' W., on true line bet. secs. 28 and 33. Descend NW. slope over mountainous land broken by boulders, through medium dense timber and scattered undergrowth.
18.75	Stream of clear water, 4 lks. wide, 2 ins. deep, in draw, 100 ft. below sec. cor., drains N. 60° W.; continue descent over NW. slope.
23.40	Trail, brs. NW. and SE.
39.94	On broken NW. slope, 480 ft. below sec. cor. Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground on solid rock and in a large mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;">S 28 ----- S 33</div> <div style="display: flex; justify-content: space-between;">1930from which</div> <div style="margin-top: 10px;">A lodgepole, 14 ins. diam., brs. N. 49° 30' E., 13 lks. dist., marked $\frac{1}{4}$ S 28 B T. A balsam, 10 ins. diam., brs. S. 30° 30' E., 42 lks. dist., marked $\frac{1}{4}$ S 33 B T.</div>
52.40	Stream of clear water, 10 lks. wide, 2 ins. deep, drains N. 30° W.; continue descent along NW. slope.
69.70	Stream of clear water, 15 lks. wide, 3 ins. deep, in draw, 310 ft. below $\frac{1}{4}$ sec. cor., drains N. 20° W.; thence along N. slope.
79.88	The cor. of secs. 28, 29, 32 and 33. Land, mountainous; broken slopes; NW. drainage and exposure. Soil, rocky mountain loam; 3rd rate. Timber, medium dense lodgepole, spruce and balsam. Undergrowth, scattered young pine and short brush. Medium growth of grass and weeds. Good grazing land.
	<hr style="width: 20%; margin: 20px auto;"/> N. 0° 03' W., bet. secs. 28 and 29. Descend NE. slope over mountainous land broken by boulders, through medium dense timber and scattered undergrowth.
4.00	Stream of clear water, 3 lks. wide, 2 ins. deep, drains N. 80° E.
12.90	Trail, brs. N. 60° W., and S. 60° E.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

Balanced

17.40 Smith and Morehouse creek, stream of clear water, 20 lks. wide, 3 ins. deep, in rocky gulch, 145 ft. below sec. cor., drains N. 60°W.

21.70 Stream of clear water, 15 lks. wide, 2 ins. deep, drains W.; ascend rocky SW. slope.

40.00 On SW. slope, 330 ft. above creek.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S29 | S28
1930

from which

A lodgepole, 20 ins. diam., brs. S.26°15'E., 69 lks. dist., marked $\frac{1}{4}$ S 28 B T.

A spruce, 20 ins. diam., brs. S.86°30'W., 43 lks. dist., marked $\frac{1}{4}$ S 29 B T.

53.00 Top of ascent, 200 ft. above $\frac{1}{4}$ sec. cor., slopes W.; descend NW. slope.

55.10 Stream of clear water, 5 lks. wide, 2 ins. deep, in draw, 15 ft. below top of ascent, drains S. 40°W.; ascend SE. slope.

72.50 Top of ascent, 240 ft. above draw, slopes W.; descend NW. slope.

80.00 In draw, 100 ft. below top of ascent, drains S. 50°W.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 20, 21, 28 and 29, with brass cap marked

T1S | R8E
S20 | S21
S29 | S28

1930

from which

A spruce, 18 ins. diam., brs. N.11°30'E., 54 lks. dist., marked T 1 S R 8 E S 21 B T.

A spruce, 24 ins. diam., brs. S.49°45'E., 30 lks. dist., marked T 1 S R 8 E S 28 B T.

A spruce, 22 ins. diam., brs. S.42°30'W., 81 lks. dist., marked T 1 S R 8 E S 29 B T.

A spruce, 20 ins. diam., brs. N. 60°W., 27 lks. dist., marked T 1 S R 8 E S 20 B T.

Land, mountainous; rocky slopes; W. exposure.

Soil, rocky mountain loam; 2nd to 3rd rate.

Timber, medium dense spruce, balsam and lodgepole.

Undergrowth, scattered young pine and short brush.

Medium growth of grass and weeds. Good grazing land.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains	
	S. 89° 59' E., on random line bet. secs. 21 and 28.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 21, 22, 27 and 28; thence
	S. 89° 58' W., on true line bet. secs. 21 and 28.
	Descend over rolling W. slope over mountainous land broken by rock outcrops, through medium dense timber and scattered undergrowth.
28.00	Draw, 260 ft. below sec. cor., drains SW.; thence along S. slope.
39.90	On S. slope.
	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S\ 21 \\ \frac{1}{4} \hline S\ 28 \end{array}$
	1930 from which
	A balsam, 7 ins. diam., brs. S. 30° 30' W., 20 lks. dist., marked $\frac{1}{4}$ S 28 B T.
	A balsam, 8 ins. diam., brs. N. 17° 30' W., 32 lks. dist., marked $\frac{1}{4}$ S 21 B T.
40.90	Stream of clear water, 3 lks. wide, 1 in. deep, drains SW.; ascend SE. slope.
46.00	Spur, 15 ft. above $\frac{1}{4}$ sec. cor., projects S. 70° W.; descend NW. slope.
69.80	Stream of clear water, 4 lks. wide, 2 ins. deep, in draw, 390 ft. below spur, drains S. 70° W.; thence along bottom of draw.
79.00	Recross stream of water, drains NW.
79.80	The cor. of secs. 20, 21, 28 and 29.
	Land, mountainous; rolling slopes broken by rock outcrops; W. drainage and exposure.
	Soil, shallow rocky mountain loam; 3rd rate.
	Timber, medium dense lodgepole, spruce and balsam.
	Undergrowth, medium growth of grass and weeds. Good grazing. land.
	<hr/>
	N. 0° 03' W., bet. secs. 20 and 21.
	Across bottom of draw over mountainous land, through medium dense timber and scattered undergrowth.
0.50	Stream of clear water, 10 lks. wide, 2 ins. deep, drains S. 60° W.; ascend steep and rocky S. slope.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

- 22.00 Rocky ridge, 725 ft. above sec. cor., brs. E. and W.; descend steep N. slope, leaving timber and entering sliderock.
- 25.00 From this point, lake about 5 chs. diam., brs. N. 74° 30' E. lake about 5 chs. diam., brs. N. 67° 30' E. See notes of line bet. secs. 16 and 21.
- 34.00 Leave sliderock and enter medium dense timber, brs. E. and W.; descend NW. slope.
- 40.00 On NW. slope, 415 ft. below ridge.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S20 | S21
 1930

from which

A spruce, 18 ins. diam., brs. N. 61° E., 15 lks. dist., marked $\frac{1}{4}$ S 21 B T.

A balsam, 7 ins. diam., brs. S. 40° W., 25 lks. dist., marked $\frac{1}{4}$ S 20 B T.

- 52.00 From this point, W. edge of lake, 3 chs. wide, E. and W., 1.50 chs. wide, N. and S., brs. east, 2.80 chs. dist.
- 54.10 Stream of clear water, 8 lks. wide, 2 ins. deep, drains NW.
- 72.50 Stream of clear water, 10 lks. wide, 2 ins. deep, in canyon, 430 ft. below $\frac{1}{4}$ sec. cor., drains N. 70° W.; ascend SW. slope.
- 80.00 On SW. slope, 15 ft. above stream.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 16, 17, 20 and 21, with brass cap marked

T1S | R8E
 S17 | S16
 S20 | S21

1930

from which

A balsam, 10 ins. diam., brs. N. 43° E., 50 lks. dist., marked T 1 S R 8 E S 16 B T.

A spruce, 18 ins. diam., brs. S. 35° 15' E., 62 lks. dist., marked T 1 S R 8 E S 21 B T.

A spruce, 24 ins. diam., brs. S. 18° 30' W., 52 lks. dist., marked T 1 S R 8 E S 20 B T.

A lodgepole, 16 ins. diam., brs. N. 35° 30' W., 44 lks. dist., marked T 1 S R 8 E S 17 B T.

Land, mountainous; steep rocky slopes on S. portion, and broken slopes on N. portion of mile.

Soil, sliderock and shallow rocky mountain loam; 3rd to 4th rate.

Timber, medium dense lodgepole, spruce and balsam on

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

portions of mile.

Undergrowth, scattered pine stool and short brush;
medium growth of grass and weeds. Good grazing land
on N. portion and poor grazing land on portion of mile.

N. 89° 58'E., on random line bet. secs. 16 and 21.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect N. and S. line, 14 lks. N. of the cor. of
secs. 15, 16, 21 and 22; thence

N. 89° 56'W., on true line bet. secs. 16 and 21.

Ascend rocky NE. slope over mountainous land, through
scattered undergrowth.

6.00 Top of rocky ridge, 120 ft. above sec. cor., brs. N.60°
W., and S. 60°E.; descend steep and rocky SW. slope,
entering medium dense timber, brs. N.60°W., and S.60°E.

39.94 On steep SW. slope, 525 ft. below top of ridge.

Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in
the ground on solid rock and in a large mound of stone
to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

S 16
 $\frac{1}{4}$ ———
S 21

1930

from which

A lodgepole, 10 ins. diam., brs. N.31°30'E., 46 lks.
dist., marked $\frac{1}{4}$ S 16 B T.

A lodgepole, 18 ins. diam., brs. S. 8°W., 107 lks.
dist., marked $\frac{1}{4}$ S 21 B T.

From this $\frac{1}{4}$ sec. cor., lake about 5 chs. diam., brs.
S. 3°W.; lake about 5 chs. diam., brs. S. 8°E. See
notes of line bet. secs. 20 and 21.

Continue descent over rocky SW. slope.

79.88 The cor. of secs. 16, 17, 20 and 21, 860 ft. below $\frac{1}{4}$
sec. cor.

Land, mountainous; steep and rocky slopes.

Soil, shallow rocky mountain loam; 3rd to 4th rate.

Timber, medium dense lodgepole, spruce and balsam on
portion of mile.

Undergrowth, scattered pine stool and short brush.
Medium growth of grass and weeds. Fair grazing land.

N. 0° 03'W., bet. secs. 16 and 17.

Ascend steep and rocky SW. slope, over mountainous land
through medium dense timber and scattered undergrowth.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

Section 3

23.00 Spur, 640 ft. above sec. cor., slopes N. 70° W., descend NW. slope.

37.50 Ravine, 120 ft. below spur, drains SW.; ascend SW. slope

40.00 On SW. slope, 20 ft. above ravine.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S17 | S16

1931

from which

A spruce, 14 ins. diam., brs. N. 85° 45' E., 44 lks. dist., marked $\frac{1}{4}$ S 16 B T.

A lodgepole, 8 ins. diam., brs. S. 54° W., 50 lks. dist., marked $\frac{1}{4}$ S 17 B T.

70.00 Top of rocky ridge, 290 ft. above $\frac{1}{4}$ sec. cor., brs. N. 50° E., and S. 50° W.; descend over rolling NW. slope.

80.00 On NW. slope, 95 ft. below top of ridge.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for the cor. of secs. 8, 9, 16 and 17, with brass cap marked

T1S | R8E
 S 8 | S 9

 S17 | S16

1931

from which

A lodgepole, 20 ins. diam., brs. N. 76° 15' E., 116 lks. dist., marked T 1 S R 8 E S 9 B T.

A lodgepole, 10 ins. diam., brs. S. 87° E., 129 lks. dist., marked T 1 S R 8 E S 16 B T.

A balsam, 6 ins. diam., brs. S. 24° 30' W., 43 lks. dist., marked T 1 S R 8 E S 17 B T.

A balsam, 10 ins. diam., brs. N. 71° 30' W., 92 lks. dist., marked T 1 S R 8 E S 8 B T.

Land, mountainous; rocky slopes.

Soil, shallow rocky mountain loam; . 3rd rate.

Timber, medium dense balsam, spruce and lodgepole.

Undergrowth, scattered young pine, pine stool and short brush. Medium growth of grass and weeds. Fair grazing land.

S. 89° 56' E., on random line bet. secs. 9 and 16.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.86 Intersect N. and S. line, 5 lks. S. of the cor. of secs.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

9, 10, 15 and 16; thence.

N. 89° 58' W., on true line bet. secs. 9 and 16.

Descend NW. slope, over mountainous land, through medium dense timber and scattered undergrowth.

6.90 Stream of clear water, 10 lks. wide, 2 ins. deep, in ravine, 45 ft. below sec. cor., drains N.; ascend NE. slope.

13.00 Top of ascent, 15 ft. above stream, slopes N.; thence over rolling NW. slope.

21.40 Stream of clear water, 5 lks. wide, 3 ins. deep, drains N. 30° E.

39.93 On rolling NE. slope.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

S 9
—
S 16

1931

from which

A lodgepole, 7 ins. diam., brs. S. 19° E., 102 lks. dist., marked $\frac{1}{4}$ S 16 B T.

A balsam, 10 ins. diam., brs. N. 9° 45' W., 108 lks. dist., marked $\frac{1}{4}$ S 9 B T.

41.50 E. edge of small lake, 1.50 chs. long, N. and S., and 1 ch. wide, E. and W.

43.00 From this point, N. edge of small lake, 3 chs. diam., brs. S. 2 chs. dist.

64.00 Abrupt ascent over rocky E. slope; enter scattered timber, brs. N. and S.

70.50 Top of rocky ridge, 235 ft. above $\frac{1}{4}$ sec. cor., brs. N. and S.; from this point, lake about 6 chs. diam. brs. S. 49° E., approximately 30 chs. dist.

Descend over rolling NW. slope.

79.86 The cor. of secs. 8, 9, 16 and 17, 130 ft. below ridge. Land, mountainous.

Soil, rocky mountain loam; 3rd to 4th rate.

Timber, lodgepole, spruce and balsam.

Undergrowth, scattered young pine, pine stool and short brush. Medium growth of grass and weeds. Fair grazing land on E. portion of mile, and poor grazing land on W. portion of mile.

SUBDIVISION OF T. 1 S. 1 R. 8 E.

Chains

entire

N. 0° 03' W., bet. secs. 8 and 9. 1/4 sec. cor. of sec. 8.

Descend over rolling NW. slope, over mountainous land through scattered timber and scattered undergrowth.

10.00 Abrupt descent over NW. slope, leaving timber and enter sliderock, brs. NW. and SE.

23.80 Ravine, 485 ft. below sec. cor., drains W. into small lake, 3 chs. diam., about 5 chs. to the W.; ascend rocky S. slope, leaving sliderock and enter medium dense timber, brs. E. and W.

26.80 Top of ascent, 40 ft. above ravine, slopes W.; descend NW. slope.

30.70 Ravine, 75 ft. below top of ascent, drains N. 70° W.; ascend S. slope.

37.00 Top of ascent, 40 ft. above ravine, slopes W.; descend NW. slope.

40.00 On NW. slope, 25 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for 1/4 sec. cor., with brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ | \\ S \ 8 \ | \ S \ 9 \end{array}$$

1931

from which

A lodgepole, 10 ins. diam., brs. N. 58° E., 48 lks. dist., marked 1/4 S 9 B T.

A spruce, 18 ins. diam., brs. S. 74° W., 35 lks. dist., marked 1/4 S 8 B T.

54.00 Stream of clear water, 2 lks. wide, 1 in. deep, drains N. 60° W.

71.70 Stream of clear water, 2 lks. wide, 1 in. deep, drains N. 60° W.

74.50 Ravine, 310 ft. below 1/4 sec. cor., drains W.; ascend SW. slope.

80.00 On SW. slope, 95 ft. above ravine.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 4, 5, 8 and 9, with brass cap marked

$$\begin{array}{c} T1S \ | \ R8E \\ \hline S \ 8 \ | \ S \ 4 \\ \hline S \ 8 \ | \ S \ 9 \end{array}$$

1931

from which

A lodgepole, 12 ins. diam., brs. N. 54° 45' E., 57 lks. dist., marked T 1 S R 8 E S 4 B T.

A lodgepole, 14 ins. diam., brs. S. 7° 30' E., 28 lks. dist., marked T 1 S R 8 E S 9 B T.

A lodgepole, 8 ins. diam., brs. S. 23° 15' W., 42 lks. dist., marked T 1 S R 8 E S 8 B T.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains	<p>A balsam, 8 ins. diam., brs. N.27° 45'W., 64 lks. dist., marked T 1 S R 8 E S 5 B T.</p> <p>Land, mountainous; steep broken slopes; NW. drainage and exposure.</p> <p>Soil, rocky and sandy loam and loose rock; 3rd to 4th rate.</p> <p>Timber, medium dense spruce, balsam and lodgepole on portions of mile.</p> <p>Undergrowth, scattered young pine, pine stool and short brush. Medium growth of grass and weeds. Fair grazing on N. portion and poor grazing land on S. portion of mile.</p>
	<p>S. 89° 58'E., on random line bet. secs. 4 and 9.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 3, 4, 9 and 10; thence
	<p>N. 89° 56'W., on true line bet. secs. 4 and 9.</p> <p>Ascend steep SE. slope, over mountainous land, through medium dense timber and scattered undergrowth.</p>
25.00	Sharp rocky ridge, 650 ft. above sec. cor., brs. N. 30° E., and S. 30°W.; descend NW. slope.
39.95	On NW. slope, 240 ft. below ridge.
	<p>Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <div style="text-align: center;"> $\begin{array}{r} S\ 4 \\ \hline \frac{1}{4} \\ S\ 9 \end{array}$ </div> <p>1931 from which</p> <p>A spruce, 12 ins. diam., brs. S. 60°E., 59 lks. dist., marked $\frac{1}{4}$ S 9 B T.</p> <p>A lodgepole, 16 ins. diam., brs. N. 15°W., 4 lks. dist., marked $\frac{1}{4}$ S 4 B T.</p>
73.10	Small draw, drains SW.; descend along SW. slope.
79.90	The cor. of secs. 4, 5, 8 and 9, 480 ft. below $\frac{1}{4}$ sec. cor.
	<p>Land, mountainous; steep and rocky slopes.</p> <p>Soil, rocky mountain loam and loose rock; 3rd to 4th rate.</p> <p>Timber, medium dense spruce, lodgepole and balsam.</p> <p>Undergrowth, scattered young pine, pine stool and short brush. Medium growth of grass and weeds. Fair grazing land.</p>

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

N. 0° 03' W., bet. secs. 4 and 5.

Ascend SW. slope over mountainous land, through medium dense timber and scattered undergrowth.

3.50 Top of ascent, 20 ft. above sec. cor., slopes W.; descend NW. slope.

21.60 Stream of clear water, 4 lks. wide, 2 ins. deep, in canyon, 180 ft. below top of ascent, drains SW.; ascend SE. slope.

22.60 Trail, brs. NE. and SW.

40.00 On SE. slope, 260 ft. above canyon.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\begin{array}{c} \frac{1}{4} \\ \hline S\ 5 \mid S\ 4 \end{array}$$

1931

from which

A balsam, 6 ins. diam., brs. S. 26° 30' E., 6 lks. dist., marked $\frac{1}{4}$ S 4 B T.A lodgepole, 8 ins. diam., brs. N. 78° W., 4 lks. dist., marked $\frac{1}{4}$ S 5 B T.

48.00 Enter scattered timber, brs. NE. and SW.

61.00 Spur, 250 ft. above $\frac{1}{4}$ sec. cor., projects S. 60° W.; descend NW. slope.

74.00 Bottom of canyon, 195 ft. below spur, drains S. 70° W.; ascend S. slope.

87.00 On S. slope, 230 ft. above canyon.

Intersect the Salt Lake Base Line, N. 88° 50' E., 16.89 chs. dist. from the standard cor. of secs. 32 and 33, heretofore described.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground on solid rock and in a mound of stone to top, for closing cor. of secs. 4 and 5, with brass cap marked

$$\begin{array}{c} T1NR8E \\ S33 \\ \hline S5 \mid S4 \\ T1S \mid R8E \\ CC \end{array}$$

1931

from which

A lodgepole, 14 ins. diam., brs. S. 75° E., 15 lks. dist., marked T 1 S R 8 E S 4 CC BT.

A lodgepole, 14 ins. diam., brs. S. 65° 15' W., 275 lks. dist., marked T 1 S R 8 E S 5 CC BT.

Land, mountainous; W. exposure and drainage.

Soil, rocky and gravelly loam; 3rd rate.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

Timber, lodgepole, spruce and balsam.

Undergrowth, scattered young pine, pine stool and short brush. Medium growth of grass and weeds. Good grazing land.

From the cor. of secs. 5, 6, 31 and 32, on S. bdy. of Tp., as described in the field notes of the survey of T. 2 S., R. 8 E., group No. 173, Utah, thence

N. 0° 04' W., bet. secs. 31 and 32.

Descend NW. slope over mountainous land, broken by boulders, through medium dense timber and scattered undergrowth.

7.70 Stream of clear water, 5 lks. wide, 2 ins. deep, drains N. 50° W.

24.10 Stream of clear water, 5 lks. wide, 2 ins. deep, in draw, 300 ft. below sec. cor., drains N. 50° W.; ascend.

32.00 Top of ascent, 30 ft. above draw, slopes W.; descend NW. slope.

40.00 On NW. slope, 45 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S31 S32
 1930

from which

A balsam, 20 ins. diam., brs. N. 19° 30' E., 71 lks. dist., marked $\frac{1}{4}$ S 32 B T. ✓

A balsam, 16 ins. diam., brs. N. 3° 30' W., 53 lks. dist., marked $\frac{1}{4}$ S 31 B T. ✓

80.00 On broken NW. slope, 390 ft. below $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 29, 30, 31 and 32, with brass cap marked

T1S R8E
 S30 S29
 S31 S32

1930

from which

A balsam, 8 ins. diam., brs. N. 49° 30' E., 39 lks. dist., marked T 1 S R 8 E S 29 B T. ✓

A balsam, 12 ins. diam., brs. S. 10° E., 45 lks. dist., marked T 1 S R 8 E S 32 B T. ✓

A spruce, 9 ins. diam., brs. S. 47° 30' W., 23 lks. dist., marked T 1 S R 8 E S 31 B T. ✓

A spruce, 7 ins. diam., brs. N. 56° W., 76 lks. dist., marked T 1 S R 8 E S 30 B T. ✓

SUBDIVISION OF T. 1 S., R. 3 E.

Chains

Land, mountainous; NW. exposure and drainage.

Soil, shallow rocky mountain loam; 3rd rate.

Timber, medium dense lodgepole, spruce and balsam.

Undergrowth, scattered young pine, pine stool and short brush. Medium growth of grass and weeds. Good grazing land.

East, on random line bet. secs. 29 and 32.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.76 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 28, 29, 32 and 33; thence

N. $89^{\circ} 50' W.$, on true line bet. secs. 29 and 32.

Ascend NE. slope over mountainous land, through medium dense timber and scattered undergrowth.

36.60 Stream of clear water, 4 lks. wide, 1 in. deep, drains N.

36.00 Enter sliderock and scattered timber, brs. NW. and SE.

39.88 On NE. slope in sliderock, 580 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in sliderock, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \begin{array}{r} S 29 \\ \hline S 32 \end{array}$$

1930

from which

A spruce, 28 ins. diam., brs. N. $85^{\circ} 30' E.$, 375 lks. dist., marked $\frac{1}{4}$ S 29 B T.

A balsam, 8 ins. diam., brs. S. $86^{\circ} E.$, 418 lks. dist., marked $\frac{1}{4}$ S 32 B T.

40.60 Foot of ledge, brs. NW. and SE.; abrupt ascent over ledge

41.50 Top of ledge, 140 ft. high, brs. NW. and SE.

54.50 Point of rocky spur, 290 ft. above $\frac{1}{4}$ sec. cor., slopes N. $30^{\circ} W.$; descend rocky NW. slope.

77.00 Enter medium dense timber and leave sliderock, brs. NW. and SE.

79.76 The cor. of secs. 29, 30, 31, and 32, 580 ft. below point of spur.

Land, mountainous; steep and rocky slopes.

Soil, rocky mountain loam and sliderock; 3rd to 4th rate.

Timber, lodgepole, spruce and balsam.

Undergrowth, scattered pine stool and short brush. Medium growth of grass and weeds. Poor grazing land.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

West, on true line bet. secs. 30 and 31.

Descend rocky NW. slope over mountainous land, through medium dense timber and scattered undergrowth.

18.20 Stream of clear water, 15 lks. wide, 4 ins. deep, in canyon, 345 ft. below sec. cor., drains N.; ascend E. slope.

20.10 Trail, brs. N. and S.

40.00 On E. slope, 450 ft. above canyon.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

S 30
 $\frac{1}{4}$ S 31

1930 from which

A balsam, 14 ins. diam., brs. N.47°30'E. 30 lks. dist., marked $\frac{1}{4}$ S 30 B T.

A balsam, 8 ins. diam., brs. S.39°30'W., 64 lks. dist., marked $\frac{1}{4}$ S 31 B T.

46.00 Draw, drains NE.; abrupt ascent over steep and rocky SE. slope, entering scattered timber, brs. NE. and SW.

84.40 Top of rocky ridge, 1080 ft. above $\frac{1}{4}$ sec. cor., brs. NE. and SW.; descend rocky NW. slope, entering medium dense timber, brs. NE. and SW.

114.40 Intersect W. bdy. of Tp., S. 0° 31'W., 63 lks. dist. from the cor. of secs. 25 and 36, heretofore described.

At point of intersection, 660 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground on solid rock and in a mound of stone to top, for the closing cor. of secs. 30 and 31, with brass cap marked

T1S
 T1S | T1S
 R7E | S30
 S36 | S31 CC
 | R8E

1930 from which

A spruce, 8 ins. diam., brs. N.45°30'E., 27 lks. dist., marked T 1 S R 8 E S 30 CC BT.

A lodgepole, 14 ins. diam., brs. S.59°45'E., 98 lks. dist., marked T 1 S R 8 E S 31 CC BT.

Land, mountainous; steep rocky slopes.

Soil, shallow rocky loam; 3rd rate.

Timber, lodgepole, spruce and balsam.

Undergrowth, scattered young pine, pine stool and short brush. Medium growth of grass and weeds. Good grazing land on E. portion, and poor grazing land on W. portion of mile.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

orient

From the cor. of secs. 29, 30, 31 and 32; thence

N. 0° 04' W., bet. secs. 29 and 30.

Descend NW. slope over sliderock and through scattered timber and scattered undergrowth.

23.00 Leave sliderock and enter medium dense timber, brs. E. and SW.

35.50 Stream of clear water, 20 lks. wide, 4 ins. deep, in canyon, 660 ft. below sec. cor., drains N. 20° E.; trail along canyon, brs. N. 25° E., and SW.; descend over NE. slope.

40.00 On NE. slope, 670 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\begin{array}{c} \frac{1}{4} \\ | \\ \text{S30} \mid \text{S29} \end{array}$$

1930

from which

A spruce, 8 ins. diam., brs. N. 70° 30' E., 37 lks. dist., marked $\frac{1}{4}$ S 29 B T.A spruce, 12 ins. diam., brs. N. 70° W., 20 lks. dist., marked $\frac{1}{4}$ S 30 B T.

63.50 Trail, brs. N. 20° W., and S. 20° E.

67.75 Stream of water, 20 lks. wide, 5 ins. deep, in bottom of Smith and Morehouse canyon, 380 ft. below $\frac{1}{4}$ sec. cor., drains N. 20° W.; thence along bottom of canyon.

80.00 On E. side of bottom of Smith and Morehouse canyon.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground on solid rock and in a mound of stone to top, for the cor. of secs. 19, 20, 29 and 30, with brass cap marked

$$\begin{array}{c} \text{T1S} \mid \text{R8E} \\ \text{S19} \mid \text{S20} \\ \hline \text{S30} \mid \text{S29} \end{array}$$

1930

from which

An aspen, 6 ins. diam., brs. N. 14° E., 66 lks. dist., marked T 1 S R 8 E S 20 B T.

A lodgepole, 6 ins. diam., brs. S. 64° E., 48 lks. dist., marked T 1 S R 8 E S 29 B T.

A lodgepole, 6 ins. diam., brs. S. 10° 30' W., 122 lks. dist., marked T 1 S R 8 E S 30 B T.

An aspen, 7 ins. diam., brs. N. 34° 30' W., 21 lks. dist., marked T 1 S R 8 E S 19 B T.

Land, mountainous; rocky and broken slopes.

Soil, rocky loam and sliderock; 3rd to 4th rate.

Timber, lodgepole, spruce and balsam.

SUBDIVISION OF T. 1 S., R. 18 E.

Chains

Undergrowth, scattered young pine and short brush.
Medium growth of grass and weeds. Good grazing land.

S. 89° 59'E., on random line bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect N. and S. line, 28 lks. N. of the cor. of
secs. 20, 21, 28 and 29; thence

N. 89° 47'W., on true line bet. secs. 20 and 29.

Along bottom of draw over mountainous land, through
medium dense timber and scattered undergrowth.

0.50 Stream of clear water, 10 lks. wide, 2 ins. deep, in
draw, drains S. 60°W.; thence along S. slope.

32.00 Descend over steep and rocky SW. slope.

39.94 On SW. slope, 200 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{r} S\ 20 \\ \frac{1}{4} \\ \hline S29 \end{array}$$

1930

from which

A balsam, 8 ins. diam., brs. S. 19°E., 27 lks.
dist., marked $\frac{1}{4}$ S 29 B T.

A lodgepole, 10 ins. diam., brs. N. 34°W., 44 lks.
dist., marked $\frac{1}{4}$ S 20 B T.

Continue descent over steep SW. slope.

79.88 The cor. of secs. 19, 20, 29 and 30, 1130 ft. below $\frac{1}{4}$
sec. cor.

Land, mountainous; steep slopes; SW. exposure.

Soil, rocky mountain loam; 3rd rate.

Timber, medium dense lodgepole, spruce and balsam.

Undergrowth, scattered pine stool and brush.
Medium growth of grass and weeds. Good grazing land.

West, on true line bet. secs. 19 and 30.

Across bottom of Smith and Morehouse canyon, through
medium dense timber of aspen, lodgepole, spruce and
balsam, and scattered undergrowth.

5.40 Stream of clear water, 20 lks. wide, 5 ins. deep, drains
N. 20°W.

10.90 Trail, brs. N. 20°W., and S. 20°E.; ascend steep and
rocky NE. slope.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

40.00 On rocky NE. slope, 660 ft. above sec. cor.
Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

S 19 ✓
 $\frac{1}{4}$ S 30

1930 from which

A lodgepole, 14 ins. diam., brs. S. $18^{\circ}30'W.$, 10 lks. dist., marked $\frac{1}{4}$ S 30 B T.

An aspen, 6 ins. diam., brs. N. $20^{\circ}W.$, 20 lks. dist., marked $\frac{1}{4}$ S 19 B T.

49.50 Top of ascent, 200 ft. above $\frac{1}{4}$ sec. cor., slopes N.; descend.

51.40 Stream of clear water, 3 lks. wide, 1 in. deep, in gulch, 20 ft. below top of ascent, drains NE.; ascend.

65.00 Top of ascent, 110 ft. above gulch, slopes NE.; descend

69.00 Gulch, 20 ft. below top of ascent, drains N.; ascend steep E. slope.

78.50 Top of ledge, 150 ft. high, brs. N. and S.

90.50 Top of ridge, 900 ft. above $\frac{1}{4}$ sec. cor., brs. N. and S.; descend W. slope, leaving aspen timber.

114.45 Intersect the W. bdy. of Tp., S. $1^{\circ}08'W.$, 63 lks. dist. from the cor. of secs. 24 and 25, heretofore described.

At point of intersection, 510 ft. below top of ridge.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground on solid rock and in a mound of stone to top, for the closing cor. of secs. 19 and 30, with brass cap marked

T1S	T1S	
R7E	S 19	
S25	S 30	CC
	R8 E	

1930 from which

A lodgepole, 16 ins. diam., brs. N. $38^{\circ}E.$, 21 lks. dist., marked T 1 S R 8 E S 19 CC BT.

A lodgepole, 20 ins. diam., brs. S. $83^{\circ}E.$, 22 lks. dist., marked T 1 S R 8 E S 30 CC BT.

Land, mountainous; steep and rocky slopes.

Soil, shallow rocky mountain loam; 3rd rate.

Timber, medium dense lodgepole, spruce and balsam on mile, and scattered aspen on E. portion of mile.

Undergrowth, scattered young timber and brush. Medium growth of grass and weeds. Poor grazing land.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

.8000 From the cor. of secs. 19, 20, 29 and 30; thence
N. 0° 04'W., bet. secs. 19 and 20.

Ascend SW. slope, over broken mountainous land, through
medium dense timber and medium dense undergrowth.

40.00 On top of ascent, 1090 ft. above sec. cor., slopes W.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in
the ground on solid rock and in a mound of stone to top,
for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S19 | S20

1930

from which

A lodgepole, 7 ins. diam., brs. N.24°30'E., 38 lks.
dist., marked $\frac{1}{4}$ S.20 B T.

A lodgepole, 5 ins. diam., brs. N. 54°W., 34 lks.
dist., marked $\frac{1}{4}$ S 19 B T.

Descend NW. slope entering scattered undergrowth.

80.00 On NW. slope, 590 ft. below $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground on solid rock and in a mound of stone to top,
for the cor. of secs. 17, 18, 19 and 20, with brass cap
marked

T1S | R8E
S18 | S17
S19 | S20

1930

from which

A balsam, 8 ins. diam., brs. N.32°45'E., 28 lks.
dist., marked T 1 S R 8 E S 17 B T.

A balsam, 10 ins. diam., brs. S. 22°E., 33 lks.
dist., marked T 1 S R 8 E S 20 B T.

A lodgepole, 7 ins. diam., brs. S.56°30'W., 42 lks.
dist., marked T 1 S R 8 E S 19 B T.

A balsam, 6 ins. diam., brs. N. 31°W., 17 lks.
dist., marked T 1 S R 8 E S 18 B T.

Land, mountainous; steep and rocky slopes; W. exposure.

Soil, rocky mountain loam; 3rd rate.

Timber, medium dense lodgepole, spruce, balsam and Douglas
fir.

Undergrowth, medium dense young pine, laurel and brush
on S. half, and scattered young pine on N. half mile.
Medium growth of grass and weeds. Good grazing land.

S. 89° 47'E., on random line bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains	
79.84	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 16, 17, 20 and 21; thence N. 89° 50' W., on true line bet. secs. 17 and 20. Descend SW. slope over mountainous land, through medium dense timber and scattered undergrowth.
17.00	Enter dead timber killed by fire, brs. N. and S.
29.50	Leave dead timber, enter medium dense timber, brs. N. and S.
33.20	Stream of clear water, 15 lks. wide, 2 ins. deep, in canyon, 360 ft. below sec. cor., drains N. 70° W.; thence descend along N. slope.
39.92	On N. slope, 450 ft. below sec. cor., Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked $\begin{array}{r} S\ 17 \\ \frac{1}{4} \\ \hline S\ 20 \end{array}$ 1930 from which A lodgepole, 20 ins. diam., brs. S. 10° 30' W., 55 lks. dist., marked $\frac{1}{4}$ S 20 B T. A spruce, 20 ins. diam., brs. N. 60° W., 30 lks. dist., marked $\frac{1}{4}$ S 17 B T. Continue descent along N. slope.
79.84	The cor. of secs. 17, 18, 19 and 20, 210 ft. below $\frac{1}{4}$ sec. cor. Land, mountainous; drainage W. Soil, rocky mountain loam; 3rd rate. Timber, medium dense lodgepole, spruce, balsam and Douglas fir. Undergrowth, scattered young pine and short brush. Medium growth of grass and weeds. Good grazing land.
40.00	West, on true line bet. secs. 18 and 19. Descend NW. slope over mountainous land, through medium dense timber and scattered undergrowth. On NW. slope, 725 ft. below sec. cor. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked $\begin{array}{r} S\ 18 \\ \frac{1}{4} \\ \hline S\ 19 \end{array}$ 1930 from which A lodgepole, 6 ins. diam., brs. S. 42° E., 45 lks. dist., marked $\frac{1}{4}$ S 19 B T.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

A lodgepole, 8 ins. diam., brs. N.10°30'W., 30 lks. dist., marked $\frac{1}{2}$ S 18 B T.

59.50 Stream of clear water, 30 lks. wide, 6 ins. deep, in bottom of Smith and Morehouse canyon, 300 ft. below $\frac{1}{4}$ sec. cor., drains N. 30°W.; ascend steep NE. slope.

61.00 Trail, bears NW. and SE.

112.00 Ridge, 1320 ft. above canyon, brs. N. and S.10°E.; descend NW. slope.

114.39 On NW. slope, 30 ft. below ridge.

Intersect W. bdy. of Tp., 89 lks. E. of the cor. of secs. 13 and 24, heretofore described.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for the closing cor. of secs. 18 and 19, with brass cap marked

T18	T18	
R7E	S18	
S24	S19	CC
	F8E	

1930

from which

A lodgepole, 6 ins. diam., brs. N.8°45'E., 33 lks. dist., marked T 1 S R 8 E S 18 CC RT.

A lodgepole, 4 ins. diam., brs. S.68°45'E., 25 lks. dist., marked T 1 S R 8 E S 19 CC RT.

Land, mountainous: steep and rocky slopes.

Soil, shallow rocky mountain loam; 3rd rate.

Timber, medium dense lodgepole, spruce, balsam and Douglas fir.

Undergrowth, scattered young pine and short brush.
Medium growth of grass and weeds. Good grazing land.

From the cor. of secs. 17, 18, 19 and 20; thence
N. 0° 04'W., bet. secs. 17 and 18.

Descend N. slope over mountainous land, through medium dense lodgepole, spruce and balsam timber and scattered undergrowth.

7.00 Stream of clear water, 10 lks. wide, 4 ins. deep, in canyon, 225 ft. below sec. cor., drains N. 70°W.; ascend steep and rocky SW. slope, entering scattered aspen and balsam timber, brs. E. and W.

36.00 Enter sliderock, brs. E. and W.

40.00 On SW. slope in sliderock, 890 ft. above canyon.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in sliderock for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

S18 S17

S18 S17

1930

from which

A balsam, 10 ins. diam., brs. S. 2° 30' E., 305 lks. dist., marked $\frac{1}{4}$ S 17 B T.

An aspen, 12 ins. diam., brs. N. 6° W., 238 lks. dist., marked $\frac{1}{4}$ S 18 B T.

42.70 Foot of ledge, 40 ft. high, brs. E. and W.; abrupt ascent over ledge, leaving sliderock.

45.60 Top of ledge and ridge, 280 ft. above $\frac{1}{4}$ sec. cor., brs. E. and W.; thence over rolling W. slope, entering medium dense lodgepole, spruce, balsam and Douglas fir timber.

58.00 Abrupt descent over NW. slope, brs. E. and W.

80.00 On steep NW. slope, 530 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground on solid rock and in a mound of stone to top, for the cor. of secs. 7, 8, 17 and 18, with brass cap marked

T1S	R8E
S 7	S 8

S18	S17
-----	-----

1930

from which

A lodgepole, 8 ins. diam., brs. N. 52° E., 57 lks. dist., marked T 1 S R 8 E S 8 B T.

A Douglas fir, 20 ins. diam., brs. S. 52° 15' E., 51 lks. dist., marked T 1 S R 8 E S 17 B T.

A lodgepole, 6 ins. diam., brs. S. 38° W., 30 lks. dist., marked T 1 S R 8 E S 18 B T.

A spruce, 16 ins. diam., brs. N. 68° 15' W., 32 lks. dist., marked T 1 S R 8 E S 7 B T.

Land, mountainous; steep and rocky slopes.

Soil, rocky mountain loam and loose rocks, 3rd to 4th rate.

Timber, lodgepole, spruce and balsam on portion of mile and scattered aspen and Douglas fir on portion.

Undergrowth, scattered young pine and brush. Medium growth of grass and weeds. Fair grazing land.

S. 89° 50' E., on random line bet. secs. 8 and 17.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.96 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 8, 9, 16 and 17; thence

N. 89° 53' W., on true line bet. secs. 8 and 17.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains	
10.00	Descend W. slope over mountainous land, through scattered timber and scattered undergrowth.
18.00	Enter medium dense timber, brs. N. and S.
39.98	Descend SW. slope, brs. NW. and SE.
39.98	On SW. slope, 490 ft. below sec. cor.
	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S\ 8 \\ \frac{1}{4} \text{ --- } \\ S\ 17 \end{array}$
	1931 from which
	A balsam, 6 ins. diam., brs. S.29° 45'E., 13 lks. dist., marked $\frac{1}{4}$ S 17 B T.
	A lodgepole, 15 ins. diam., brs. N.32°15'W., 45 lks. dist., marked $\frac{1}{4}$ S 8 B T.
52.50	Ravine, 260 ft. below $\frac{1}{4}$ sec. cor., drains N. 15°W.; ascend E. slope.
57.50	Top of ascent, 15 ft. above draw, slopes N.; descend NW. slope.
72.50	Draw, drains NW.
79.96	The cor. of secs. 7, 8, 17 and 18, 400 ft. below top of ascent.
	Land, mountainous; rocky slopes; NW. exposure and drainage.
	Soil, a rocky and sandy mountain loam; 2nd to 3rd rate.
	Timber, balsam, Douglas fir and lodgepole.
	Undergrowth, scattered young pine, pine stool and brush. Medium growth of grass and weeds. Fair grazing land.
	West, on true line bet. secs. 7 and 18.
	Descend NW. slope over mountainous land, through medium dense timber and scattered undergrowth.
40.00	On point of spur, 475 ft. below sec. cor., slopes NW.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S\ 7 \\ \frac{1}{4} \text{ --- } \\ S\ 18 \end{array}$
	1930 from which
	A lodgepole, 8 ins. diam., brs. S.64°30'W., 43 lks. dist., marked $\frac{1}{4}$ S 18 B T.
	A lodgepole, 18 ins. diam., brs. N.24°30'W., 12 lks. dist., marked $\frac{1}{4}$ S 7 B T.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

61.00

68.50

89.00

99.00

106.50

110.60

112.30

113.56

11.50

Descend W. slope.

Leave lodgepole, spruce and balsam timber, enter aspen, brs. N. and S.

Descend SW. slope.

Bottom of Smith and Morehouse canyon, 1100 ft. below $\frac{1}{2}$ sec. cor., brs. NW. and S.; thence over rolling bottom of canyon, leaving timber and enter dense willows, brs. NW. and S.

Leave willows, brs. N. and S.

Trail, brs. N.10°W., and S.10°E.

Stream of clear water, 20 lks. wide, 4 ins. deep, drains N.20°W.; enter dense lodgepole timber, brs. N. and S.

Stream of clear water, 20 lks. wide, 2 ins. deep, drains N. 10°W.

Intersect W. bdy. of Tp., S. 1° 10'W., 52 lks. dist. from the cor. of secs. 12 and 13, heretofore described.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the closing cor. of secs. 7 and 18, with brass cap marked

	T1S	
T1S	S 7	
R7E	CC	
S13	S 18	
	R8E	

1930

from which

A lodgepole, 18 ins. diam., brs. N.80°30'E., 79 lks. dist., marked T 1 S R 8 E S 7 C C B T.

A lodgepole, 9 ins. diam., brs. S. 46°E., 156 lks. dist., marked T 1 S R 8 E S 18 C C B T.

Land, mountainous.

Soil, rocky mountain loam and sandy loam ; 2nd to 3rd rate.

Timber, lodgepole, spruce, balsam and aspen on portions of mile.

Undergrowth, scattered young pine and brush. Willows along bottom of canyon. Medium growth of grass and weeds. Good grazing land.

From the cor. of secs. 7, 8, 17 and 18; thence N. 0° 04'W., bet. secs. 7 and 8.

Descend NW. slope, over mountainous land, through medium dense timber and scattered undergrowth.

Stream of clear water, 10 lks. wide, 1 in. deep, in draw, 275 ft. below sec. cor., drains NW.; thence along broken W. slope.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

17.90

Trail, brs. E. and W.

19.30

Stream of clear water, 5 lks. wide, 1 in. deep, in canyon, 300 ft. below sec. cor., drains W.; ascend gradually over rough and broken SW. slope.

40.00

On SW. slope, 75 ft. above canyon.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$

S 7 | S 8

1930

from which

A lodgepole, 6 ins. diam., brs. S. 78°E., 4 lks. dist., marked $\frac{1}{4}$ S-8 B T.

A lodgepole, 6 ins. diam., brs. N. 21°W., 7 lks. dist., marked $\frac{1}{4}$ S 7 B T.

66.00

Top of ridge, 320 ft. above $\frac{1}{4}$ sec. cor., brs. NW. and SE.; descend NE. slope.

80.00

On NE. slope, 300 ft. below top of ridge.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 5, 6, 7 and 8, with brass cap marked

T1S | R8E

S 6 | S 5

S 7 | S 8

1931

from which

A spruce, 6 ins. diam., brs. N. 60°E., 27 lks. dist., marked T 1 S R 8 E S 5 B T.

A balsam, 10 ins. diam., brs. S. 31°E., 21 lks. dist., marked T 1 S R 8 E S 8 B T.

A balsam, 6 ins. diam., brs. S. 56°15'W., 16 lks. dist., marked T 1 S R 8 E S 7 B T.

A balsam, 8 ins. diam., brs. N. 32°45'W., 26 lks. dist., marked T 1 S R 8 E S 6 B T.

Land, mountainous; rocky slopes.

Soil, rocky mountain loam; 3rd rate.

Timber, medium dense spruce, lodgepole, Douglas fir, balsam and scattered aspen.

Undergrowth, scattered young pine and brush. Medium growth of grass and weeds. Good grazing land.

S. 89° 53'E., on random line bet. secs. 5 and 8.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

79.94

Intersect N. and S. line, 5 lks. N. of the cor. of secs. 4, 5, 8 and 9; thence

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

anial

N. 89° 51' W., on true line bet. secs. 5 and 8.

08. VI

Descend SW. slope over mountainous land, through medium dense timber and scattered undergrowth.

22.20 Ravine, 320 ft. below sec. cor., drains N. 50° W.; descend along NW. slope.

28.30 Stream of clear water, 4 lks. wide, 2 ins. deep, in canyon, 380 ft. below sec. cor., drains SW.; thence along S. slope. Trail along canyon, brs. NE. and SW.

39.97 On S. slope, 400 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock and in a mound of stone to top for $\frac{1}{4}$ sec. cor., with brass cap marked

S 5
 $\frac{1}{4}$ S 8

1931

from which

A lodgepole, 16 ins. diam., brs. S. 15° W., 19 lks. dist., marked $\frac{1}{4}$ S 8 B T.

A lodgepole, 8 ins. diam., brs. N. 1° 45' W., 36 lks. dist., marked $\frac{1}{4}$ S 5 B T.

Descend gradually along S. slope.

54.50 Stream of clear water, 4 lks. wide, 2 ins. deep, in canyon, 150 ft. below $\frac{1}{4}$ sec. cor., drains N. 50° W.; thence along N. slope.

75.50 Trail, brs. NW. and SE.

79.94 The cor. of secs. 5, 6, 7 and 8.

Land, mountainous; W. exposure.

Soil, rocky mountain loam; 2nd to 3rd rate.

Timber, medium dense lodgepole, spruce and balsam.

Undergrowth, scattered young pine and brush. Medium growth of grass and weeds. Good grazing land.

West, on true line bet. secs. 6 and 7.

Ascend steep NE. slope over mountainous land, through medium dense spruce, balsam, Douglas fir and lodgepole timber, and scattered undergrowth of young pine and short brush.

20.00 Ridge, 660 ft. above sec. cor., brs. NW. and SE.; thence along steep S. slope.

24.50 Recross ridge, brs. N. 70° E., and S. 70° W.; descend steep NW. slope.

40.00 At foot of descent, 300 ft. below ridge, slopes N.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

$\frac{1}{4}$ S 6
S 7

1931

from which

A spruce, 24 ins. diam., brs. S. 15°W., 30 lks.
dist., marked $\frac{1}{4}$ S 7 B T.

A balsam, 6 ins. diam., brs. N. 36°W., 37 lks.
dist., marked $\frac{1}{4}$ S 6 B T.

Ascend NE. slope.

46.00 Point of spur, 50 ft. above $\frac{1}{4}$ sec. cor., slopes N. 20°W.;
descend steep NW. slope.

60.00 Head of ravine, 290 ft. below spur, drains N.; ascend
NE. slope.

66.00 Point of spur, 50 ft. above ravine, slopes N. 20°W.;
descend NW. slope.

93.50 Descend W. slope, entering aspen, Douglas fir timber,
and undergrowth of mahogany, and choke cherry, brs.
N. and S.

98.40 Draw, 925 ft. below spur, drains N.; ascend E. slope.

101.50 Spur, 30 ft. above draw, projects N.; descend W. slope.

111.00 Descend SW. slope.

113.81 On SW. slope, 345 ft. below spur.

Intersect the W. bdy. of Tn., S. 09°09'W., 39 lks. dist.;
from the cor. of secs. 1 and 12, heretofore described.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
the ground for the closing cor. of secs. 6 and 7, with
brass cap marked

	T1S	
T1S	S 6	
E7E		CC
S12	S 7	
	R8E	

1931

from which

A Douglas fir, 9 ins. diam., brs. N. 11°E., 59 lks.
dist., marked T 1 S R 8 E S 6 CC BT.

A Douglas fir, 6 ins. diam., brs. S. 61°30'E., 51 lks.
dist., marked T 1 S R 8 E S 7 CC BT.

Land, mountainous; steep and rocky slopes.

Soil, rocky mountain loam; 3rd rate.

Timber, spruce, balsam, Douglas fir, lodgepole and aspen.

Undergrowth, scattered young pine, pine stool and brush;
mahogany and choke cherry on portion of mile.

Medium growth of grass and weeds. Fair grazing land.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

2112

From the cor. of secs. 5, 6, 7 and 8; thence
N. 0° 04' W., bet. secs. 5 and 6.

Descend NE. slope over mountainous land, through medium
dense timber and scattered undergrowth.

3.90 Trail, brs. NW. and SE.

16.30 Stream of clear water, 6 lks. wide, 2 ins. deep, in
canyon, 145 ft. below sec. cor., drains NW.; ascend SW.
slope.

30.00 Top of ascent, 125 ft. above canyon, slopes W.; thence
along W. slope.

40.00 On W. slope, 35 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 6 | S 5

1931

from which

A balsam, 10 ins. diam., brs. N. 72° 30' E., 29 lks.
dist., marked $\frac{1}{4}$ S 5 B T.

A Douglas fir, 20 ins. diam., brs. S. 32° 30' W., 36
lks. dist., marked $\frac{1}{4}$ S 6 B T.

Ascend along W. slope.

49.00 Top of ascent, 50 ft. above $\frac{1}{4}$ sec. cor., slopes W.;
descend NW. slope.

59.10 Bottom of canyon, 220 ft. below top of ascent, drains
W.; ascend steep S. slope.

86.57 On S. slope, 975 ft. above canyon.

Intersect the Salt Lake Base Line, N. 89° 26' E., 18.03
chs. dist. from the standard cor. of secs. 31 and 32,
heretofore described

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in
the ground on solid rock and in a mound of stone to top,
for the closing cor. of secs. 5 and 6, with brass cap
marked

T1NR8E
S32
S 6 | S 5
T1S | R8E
CC

1931

from which

A lodgepole, 6 ins. diam., brs. S. 66° E., 32 lks.
dist., marked T 1 S R 8 E S 5 CC BT.

A balsam, 10 ins. diam., brs. S. 18° W., 26 lks.
dist., marked T 1 S R 8 E S 6 CC BT.

Land, mountainous; W. drainage and exposure.

SUBDIVISION OF T. 1 S., R. 8 E.

Chains

Soil, rocky mountain loam; 2nd to 3rd rate.

Timber, medium dense lodgepole, balsam, spruce, Douglas fir and scattered aspen.

Undergrowth, scattered maple, chokecherry and pine stool. Medium growth of grass and weeds. Good grazing land.

GENERAL DESCRIPTION, T. 1 S., R. 8 E.

This township is situated in the Wasatch National Forest, and the land ranging from 8000 ft. to 11,500 ft. above sea level, consists of high rocky ridges and spurs, with steep slopes. The main drainage of the east portion of the township, formed by the Middle Fork of the Weber River and tributaries, is in a northerly direction, while the drainage of the west portion, formed by Smith and Morehouse Canyon and tributaries, is in a northwesterly direction. The drainage of the south portion of sections 35 and 36, and the southeast corner of section 34, is in a southerly direction and is formed by tributaries of the Provo River. The divide between the drainage of the tributaries of the Provo River and the Middle Fork of Weber River, extends in an easterly and westerly direction through sections 35 and 36, to a rocky peak about 11,300 ft. above sea level, in the northeast corner of section 34. From the peak in the northeast corner of section 34, the divide between the drainage of the tributaries of the Provo River and Smith and Morehouse canyon, extends in a southwesterly direction through section 34, to a rocky peak about 11,200 ft. above sea level near the corner of sections 3, 4, 33 and 34 on the south boundary of the township. From the peak in the northeast corner of section 34, a rocky ridge about 11,000 ft. above sea level, forming the divide between the drainage of Middle Fork of the Weber River, and Smith and Morehouse Canyon, extends in a northerly direction through sections 34, 27, 22, thence northwesterly in section 16, thence northerly in section 9, thence northeasterly through section 9, to section 4, breaking off to a low pass in section 4, about 9,300 ft. above sea level. A rocky ridge, about 10,500 ft. above sea level, extends in a northerly direction through the west portions of sections 31, 30, 19 and 18.

The soil of this township varies from a dark rocky mountain loam in the canyons and on the slopes, to a shallow rocky loam and sliderock on the crests of the ridges, and may be classed from 2nd to 4th rates. The soil supports a medium growth of weeds, native grass and brush which affords good grazing for stock.

The township is well watered by numerous streams and small lakes of clear fresh water. Through the central portion and along the south boundary, a number of small lakes of fresh water formed by glacial action are found. The Middle Fork of the Weber River, heads in section 36, and flows in a northerly direction through sections 36, 26, 23, 14, 13, 12, 1 and 2, leaving the township at the northwest corner of section 1. Gardner's canyon a tributary of the Middle Fork of the Weber River, heads at a small lake in section 16, and drains in a north-easterly direction through sections 16, 9, 10 and 3, and leaves the township at the northwest corner of section 2. The stream of water in Smith and Morehouse Canyon, heads in section 34, and flows in a northwesterly

GENERAL DESCRIPTION, T. 1 S., R. 8 E.

Chains

and

direction through sections 33, 28, 29, 30, 19 and 18, leaving the township at the southwest corner of section

Throughout this township, except along the crests of the ridges, is found a medium growth of timber in commercial quantities, of lodgepole, spruce and balsam, varying from young trees to trees 24 inches in diameter. On the north slopes of the west portion of the township, some Douglas fir is found, and in the northwest and northeast parts some aspen timber is found. Most of the timber is accessible with horses.

The slopes of this township are too steep and broken for cultivation, but are adapted, and extensively used for grazing of sheep and cattle during the summer months.

Trails have been constructed along the Middle Fork of the Weber and Smith and Morehouse canyons. From these canyons, all parts of the township are accessible to sheep and cattle.

There are no settlers located on this township.

No indications of mineral, oil, oil shale or coal were found on this township during the execution of the survey.

The mean magnetic declination was found to be 16°30'E.

4-680
(August, 1927)

NAMES.	CAPACITY.
Idney R. Reese,	Chairman
Genneth V. Adams	Chairman
ager Kirkpatrick	Chairman
alter H. Fox	Cornerman
evon Crosby	Cornerman
Baxter Murray	Flagman
oyal Clark	Axeman

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

I, Ralph Gentry, ~~U.S. Cadastral Engineer~~ ~~U.S. Surveyor~~, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Utah, bearing date of the 22nd day of March, 1926, I have well, faithfully, and in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the dependent resurvey of the Salt Lake Base Line through R. 8 E., the retracement of portion of the Salt Lake Base Line through R. 7 E.; the dependent resurvey of the west boundary of T. 1 S., R. 8 E., and of the survey of the subdivision of T. 1 S., R. 8 E., of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey. Salt Lake City, Utah, Dec. 20, 1932.

Ralph Gentry
~~U.S. Cadastral Engineer~~ ~~U.S. Surveyor~~

APPROVAL

OFFICE OF ~~U.S.~~ SUPERVISOR OF SURVEYS,

Denver, Colo., DEC 13 1932, 1932

The foregoing field notes of the ~~survey of~~ dependent resurvey of the Salt Lake Base Line through R. 8 E., the retracement of portion of the Salt Lake Base Line through R. 7 E., the dependent resurvey of the west boundary of T. 1 S., R. 8 E., and of the survey of the subdivision of T. 1 S., R. 8 E.,

executed by Ralph Gentry, U.S. Cadastral Engineer under his special instructions dated March 22, 1926, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the survey they describe, are hereby approved.

Wm. H. Brown
~~U.S. Supervisor of Surveys~~

~~I certify that the foregoing transcript of the field notes of the above described surveys in~~
~~has been correctly copied from the original notes on file in this office.~~

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BOOK A-516

FIELD NOTES

OF THE SURVEY OF THE

SIXTH STANDARD PARALLEL SOUTH, ALONG THE S. EDY. OF T. 30 S.,

THROUGH PORTION OF R. 13 E., AND THROUGH Rs. 14, 15, 16, 17,

AND PORTION OF 18 E.

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Chas. F. Moore, U. S. Surveyor.

In the capacity of U. S. Surveyor, under Special Instructions dated August 31, 1928,
Supplemental Special Instructions dated April 28

No. 4, issued by the District Cadastral Engineer to govern surveys included in Group

212, which were approved by the Commissioner of the General Land

September 13, 1928 and May 17, 1934,

and, ~~19xxx~~ and Assignment Instructions dated April 23, 1934

Survey commenced May 3, 1934

Survey completed May 24, 1934

BOOK A-516

INDEX DIAGRAM.

Township *Range*

6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

SIXTH STANDARD PARALLEL SOUTH

T. 30 S., R. 13 E.					
31	32	33	34	35	36
	1	3	4	5	6
T. 30 S., R. 14 E.					
31	32	33	34	35	36
7	9	10	11	13	14
T. 30 S., R. 15 E.					
31	32	33	34	35	36
16	18	19	20	21	23
T. 30 S., R. 16 E.					
31	32	33	34	35	36
24	26	28	29	30	31
T. 30 S., R. 17 E.					
31	32	33	34	35	36
32	34	35	36	37	38
T. 30 S., R. 18 E.					
31	32	33	34	35	36
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6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.13 E.

The survey of the 6th Standard Parallel South through ranges 13 to 18 east inclusive was commenced May 3, 1934 and executed with a light mountain solar transit made by Buff and Buff, Serial No. 9983, constructed in accordance with the standard specifications of the General Land Office. The horizontal limb is provided with two double opposite verniers reading to single minutes; the vertical circle has a diameter of 4 ins., with one double vernier reading to single minutes. The instrument is equipped with the improved Smith solar attachment; radius of latitude arc $2\frac{1}{2}$ ins., and of declination arc $3\frac{1}{2}$ ins., each with verniers reading to single minutes. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the district cadastral engineer in assignment instructions dated April 23, 1934. I examined all the instrumental adjustments before making the field tests hereinafter recorded.

The measurements were made with two Lallie steel tapes, one 5 chains and one 8 chains in length; each tape is graduated every link for the first 100 links, and thereafter at intervals of 10 links. The tapes were tested by comparison with a Lufkin standard and found correct. Both sets of measurements were made on the slope; the vertical angles were determined by large improved K & E clinometers, in good adjustment. The horizontal equivalents are entered in the field note record.

As the line to be established runs over a country that is comparatively free from timber or tall undergrowth, the solar is not used in determining the bearing of lines. All azimuth determinations are accomplished by observations made upon Polaris at eastern elongation, a meridian being determined every six miles, along the standard.

The tangent method was used in surveying the standard parallel. The bearing of the tangent was deflected by repetition of angles from the meridians determined by observations upon Polaris and was carried forward by transit lines, taking the mean of direct and reversed sights at each instrument setting.

May 2, 1934, at the standard corner of secs. 31 and 32, T.30 S., R.13 E., in approximate latitude $38^{\circ}10'N.$, longitude $110^{\circ}35'W.$, I made a meridian observation on the sun for latitude and time, first setting the lower limb and noting the transit of the west limb, then, after reversal of the instrument, setting the upper limb and noting the transit of the east limb, as follows:

Mean observed altitude -----	$67^{\circ}11'30''$
Reduced latitude -----	$38^{\circ}10'N.$
Mean watch time of observation -----	12h 23m 20s
Watch fast of l.m.t. -----	0h 26m 24s

May 3, 1934, at the standard $\frac{1}{4}$ sec. cor. of sec. 32, on south boundary of T.30 S., R.13 E., in approximate latitude $38^{\circ}10'N.$ and longitude $110^{\circ}34'W.$, at 4h 56.3m a.m. l.m.t. I observe Polaris at eastern elongation, making two sights each with the telescope in direct and reversed positions, and place a tack at the mean point, on a peg driven firmly in the ground about 10 chains N.

Begin the survey of the Sixth Standard Parallel South, R.13 E., at the standard $\frac{1}{4}$ sec. cor. on south boundary sec. 32, T.30 S., R. 13 E., S.L.M. which is an iron post

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.13 E.

Chains

1 in. diam., properly marked, set and witnessed as described in the official record.

Thence

Turning from the mean point set by observations upon Polaris, I set a flag in the tangent; the mutiple angle of four repetitions reads 354°40', which gives an angle of 88°40'.

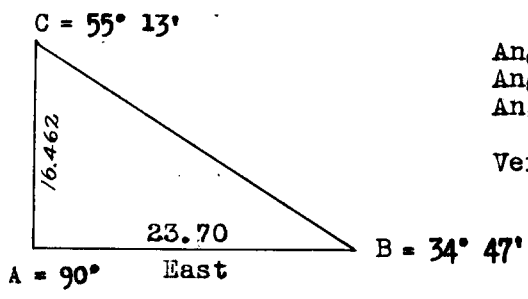
East with the establishment of the 6th Standard Parallel South, along south boundary sec. 32, T.30 S., R.13 E., on a transit line describing the tangent.

Over rolling mesa land, through sparse undergrowth.

1.80 The line east crosses a deep canyon rimmed with nearly vertical sandstone ledges 200 ft. high, which make chaining impracticable, therefore to determine the distance across, I triangulate as follows:

Designate this point A and set flag B on line on opposite side, with telescope sighted at B, turn an angle of 90° to the left and measure a base 16.462 chains distant, the mean by two sets of chainmen,

By 1st set 16.464 chs.
By 2nd set 16.460 chs.



Angle at A = 90°
Angle at B = 34°47'
Angle at C = 55°13'

Vertical angle A to B = +2°

The angles were determined by three repetitions with the error balanced to 180°.

Distance on line	1.80 chs.
Distance by triangulation	23.70 chs.
	25.50 chs.

12.80 Approximate dist. Bottom of canyon, 10 chs. wide and 200 ft. deep, drains SW. into Poison Spring Canyon.

25.50 Point B of triangulation 55 ft. above the standard ¼ sec. cor.

Difference bet. measurement of 40.00 chs., by two sets of chainmen is nothing.

40.00 On the tangent

Set an iron post, 3 ft. long, 2 in. diam., 10 ins. in the ground to solid rock, with a sandstone 6x6x3 ins. marked with a X deposited alongside, and supported by a large mound of stone to top, for standard cor. of secs. 32 and 33, with brass cap marked

SC	
T30S	R13E
S32	S33

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.13 E.

Chains

Land, rolling and broken mesa or desert; SW. exposure and drainage.
Soil, shallow sandy loam, 2nd rate.
Timber, none.
Undergrowth, scattered blackbrush, and gramma grass.
Fair grazing land.

East, along south boundary of sec. 33, on a transit line describing the tangent which bears S.89°59.7'E.

Over rolling mesa land, through scattering undergrowth; gradual descent.

6.60 West rim of canyon, bears NE. and SW.

11.65 Small canyon, 65 ft. below cor., drains SW.; ascend 65 ft.

16.75 East rim of canyon, bears NE. and SW.; gradually ascend 75 ft.

Difference bet. measurements of 40.00 chs., by two sets of chainmen is nothing.

40.00 North 1 lk. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with a sandstone 8x6x4 ins., marked X, for standard 4 sec. cor., with brass cap marked

SC
1/2 S 33

1934

No other accessories available.

58.30 Ridge, bears NE. and SW.

59.40 West rim of canyon, bears NE. and SW.; descend 360 ft. to witness corner.

Difference bet. measurements of 79.51 chs., by two sets of chainmen is 1 lk; position of middle point

By 1st set, 79.505 chs.

By 2nd set, 79.495 chs; the mean of which is

79.51 North 2 lks. from tangent.

Over X cut on solid rock, set an iron post, 3 ft. long, 2 ins. diam., surrounded by a large mound of stone to top for witness cor. to the standard cor. of secs. 33 and 34, with brass cap marked

SC
T30S | R13E
S33 | S34
W
C

1934

79.66 Top of nearly perpendicular sandstone ledge, 200 ft. high bears NE. and SW.

80.00 True point for sec. cor. secs. 33 and 34, falls on face of ledge where it is impracticable to set cor.

Land, rolling and broken mesa; general SW. exposure.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.13 E.

Chains

Soil, shallow sandy loam and sandstone bedrock, 2nd and 4th rate.

Timber, none.

Undergrowth, blackbrush, oakbrush and grass.

Fair grazing land.

East, along the south boundary sec. 34, on a transit line describing the tangent, which bears S.89°59.0'E.

Counting distance from true point for standard cor. of secs. 33 and 34.

Over broken mesa land, through scattered undergrowth; descend precipitous E. slope over ledges.

8.20 Draw, 280 ft. below witness corner, heads north about 10 chs., drains S.; ascend 20 ft.

18.70 Spur, slopes S.; descend 20 ft.

20.60 Bottom of a main canyon, drains SW. into Poison Spring Canyon; ascend 130 ft. over NW. slope.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 4 lks, position of middle point

By 1st set, 39.98 chs.

By 2nd set, 40.02 chs., the mean of which is

40.00 North 3 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S 34

1934

of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. raise a mound

Ascend abrupt NW. slope 195 ft. to

44.75 West rim of Burr Mesa, bears NE. and SW; thence over sandstone surface rock, ascend 225 ft. over SW. slope to

62.15 Top of sandstone spur, slopes SW; descend 120 ft. to

65.90 West rim of canyon, bears N.20°E. and S.20°W.; descend abruptly 305 ft. to

72.40 Bottom of canyon, drains S.20°W.; ascend 150 ft. to cor.

Difference bet. measurements of 80.00 chs. by two sets of chainmen is 2 lks.

By 1st set, 79.99 chs.

By 2nd set, 80.01 chs., the mean of which is

80.00 North 5 lks. from the tangent.

Over a cross X cut into solid sandstone, set an iron post 3 ft. long, 2 ins. diam., surrounded by a mound of stone to top for standard cor. of secs. 34 and 35, with brass cap marked

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.13 E.

Chains

SC	
T30S	R13E
S34	S35

1934

No other accessories available.

Land, broken mesa, cut by deep draws and canyons, rimmed with nearly vertical sandstone ledges; general SW. exposure and drainage.

Soil, shallow sandy loam, with sandstone surface rock, 2nd and 4th rate.

Timber, none.

Undergrowth, blackbrush, rabbitbrush, curly and bunch grass.

Fair grazing land.

East, along south boundary of sec. 35, on a transit line describing the tangent, which bears S.89°58.3'E.

Ascend precipitious W. slope over ledges 170 ft. to

2:50 East rim of canyon, bears N.20°E. and S.20°W.; ascend 205 ft. over SW. slope.

13.90 West rim of small flat top mesa, bears N. and S., thence over top; ascend 35 ft. over SW. slope.

25.10 East rim of the mesa, bears N. and S.; descend abrupt E. slope 335 ft. to $\frac{1}{4}$ sec. cor.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is nothing.

40.00 North 7 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, with a sandstone 8x6x4 ins. marked X deposited alongside, and surrounded by a mound of stone to top, for standard $\frac{1}{4}$ sec. cor., with brass cap marked.

SC	
$\frac{1}{4}$ S 35	

1934

43.60 Draw, 5 ft. below cor., drains S.30°W.; ascend steep W. slope 80 ft.

49.30 West edge of small bench, bears NE. and SW.; thence over broken sandstone surface rock on bench, ascend 195 ft. to witness corner.

Difference bet. measurements of 79.57 chs. by two sets of chainmen is 6 lks, position of middle point

By 1st set, 79.54 chs.

By 2nd set, 79.60 chs., the mean of which is

79.57 North 10 lks. from the tangent.

Over a cross X cut into solid sandstone, set an iron post, 3 ft. long 2 ins. diam.; surrounded by a mound of stone to top, for witness cor. to the standard cor. of secs. 35 and 36, with brass cap marked

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.13 E.

Chains

SC
T30S | R13E
S35 | S36
W
C

1934

80.00

North 10 lks. from the tangent.

True point for the standard cor. of secs. 35 and 36, falls on sloping sandstone surface rock where it is impracticable to place iron post, cut a cross X at true cor. point.

Land, broken mesa, general S.W. slope and drainage. Soil, shallow sandy loam, with exposed sandstone surface rock on greater portion of mile, 2nd and 4th rate. Timber, none. Undergrowth, black and rabbit brush and gramma grass. Fair grazing land.

East, along south boundary of sec. 36, on a transit line describing the tangent which bears S.89°57.7'E.

Over broken mesa land, through scattered undergrowth; ascend abrupt W. slope over sandstone surface, 35 ft.

0.80

Top of sandstone mesa, bears N. and S., thence gradually descend 50 ft. over broken surface rock to edge of mesa.

11.30

South side of a sandstone dome, about 10 chs. in diam.

16.50

East rim of Burr Mesa, bears NW. and SE.; descend broken NE. slope, 55 ft. to standard $\frac{1}{4}$ sec. cor.

39.40

Spur, slopes NE., thence descend E. slope.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 2 lks, position of middle point

By 1 st set, 39.99 chs.

By 2 nd set, 40.01 chs., the mean of which is

40.00

North 13 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, to solid rock, with a sandstone 6x4x3 ins., marked X, deposited alongside, and surrounded by a mound of stone to top, for standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S.36

1934

Continue descending over E. slope 120 ft.

53.23

West rim of Dirty Devil River Canyon, bears N. and S. The line to the east descends over vertical ledge 200 ft. high over which it is impracticable to chain; therefore I triangulate as follows:

Designate this point A and set flag B on line to the east. Vertical angle A to B = -13°. From B with telescope sighted at A, deflect an angle of 91°04' to the right and measure base BC, 12.112 chs. dist., the mean

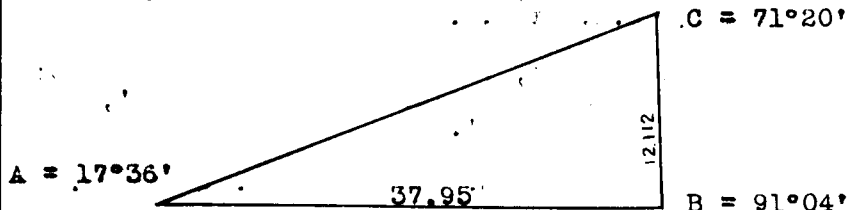
6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.13 E.

Chains

by two sets of chainmen

By 1st set, 12.107 chs.
By 2nd set, 12.117 chs.

The angle subtended at B = $71^{\circ}20'$ and at A = $17^{\circ}36'$; all angles by three repetitions with error of $0^{\circ}20''$ balanced to 180° .



Distance on line	53.23 chs.
Distance by triangulation	<u>37.95 chs.</u>
	91.18 chs.
Distance by return measurement	<u>11.18 chs.</u>
	80.00

80.00 North 16 lks. from the tangent.

True point for standard cor. of Tps. 30 S., Rs. 13 and 14 E., falls on a narrow shale spur, projects north, where a permanent corner cannot be established, therefore at

80.79 North 16 lks. from the tangent.

Over a cross X cut into solid sandstone, set an iron post 3 ft. long, 3 ins. diam., surrounded by a large mound of stone to top for witness corner to the standard cor. of Tps. 30 S., Rs. 13 and 14 E., with brass cap marked

SC	
T30S	
R13E	R14E
336	331
W	
C	
1934	

No other accessories available.

Corner stands on a N. slope 600 ft. below rim of canyon.

Land, broken mesa and rough canyon slopes.

Soil, shallow sandy loam, and sandstone surface rock, 2nd and 4th rates.

Timber, none.

Undergrowth, scattered blackbrush, mountain rush and curly grass.

Fair grazing land.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.14 E.

From the true point for cor. of Tps. 30 S., Rs. 13 and 14 E.

East, along S. bdy. of sec. 31, T.30 S., R.14 E., on a transit line describing the tangent which starts at the true point for township cor. and bears East.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R. 14 E.

Chains	
	Over rough broken land, through scattered undergrowth.
0.79	The witness corner; to the cor. of Tp.30.S., R.13 & 14 ascend NW. slope 70 ft.
5.80	Top of rocky spur, slopes N.
	May 8: At this point, in order to verify the alinement of the tangent, I make an observation upon Polaris at 4h 39m a.m. at e.e. Turning from the mean point in the line determined by the observation upon Polaris at eastern elongation, I set a flag on the tangent; the multiple angle of four repetitions reads $354^{\circ}40'$, which indicates an angle of $88^{\circ}40'$.
	Descend broken NE. slope 510 ft. to river.
19.11	Small alkaline seep on line.
23.10	Lower rim of river, 190 ft. below spur, bears N.30°W. and S.30°E.; descend abrupt rocky E. slope 320 ft.
29.60	West bank of river, 4 ft. high, bears N. and S.
33.85	Dirty Devil or Fremont River, stream 60 lks. wide, 6 in. deep, drains S.
34.40	East bank of river 10 ft. high, bears N. and S.; gradual ascend SW. slope 45 ft. to $\frac{1}{4}$ cor.
	Difference bet. measurements of 40.00 chs. by two sets of chainmen is 3 lks., the position of middle point
	By 1st set, 39.985 chs.
	By 2nd set, 40.015 chs., the mean of which is
40.00	On the tangent. Set an iron post, 3 ft. long, 1 in. dia. 30 ins. in the ground, with a washed sandstone 7x5x2 ins. marked X, deposited alongside, for the standard $\frac{1}{4}$ sec. cor.
	SC $\frac{1}{4}$ S 31
	1934
	No other accessories available.
	Continue ascent over broken SW. slope, 230 ft. to sec. cor.
44.50	Enter a small bench, bears N. and S.
57.70	Leave bench, bears N. and S., continue ascent of broken SW. slope.
69.00	Slope changes to a south slope.
	Difference bet. measurements of 80.00 chs., by two sets of chainmen is 2 lks., the position of middle point
	By 1st set, 79.99 chs.
	By 2nd set, 80.01 chs., the mean of which is
80.00	North 1 lk. from the tangent.
	Over a cross X cut into solid rock, set an iron post, 3 ft. long, 2 ins. diam., surrounded by a mound of stone to top, for standard cor. of secs. 31 and 32. with brass cap marked
	with to the the mean

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.14 E.

Chains

SC	
T30S	R14E
S31	S32

1934

Land, rough and broken, general NE. slope W. of river and SW. to E. of river.
Soil, shallow sandy loam, shale and sandstone 2nd to 4th rates.
Timber, none.
Undergrowth scattered mountain rush, shadscale and gramma grass.
Fair grazing land.

East, along S. bdy. sec. 32, on transit line describing the tangent, which bears S.89°59.3'E.

Over rough broken land, through scattered undergrowth; ascend steep SW. slope 115 ft.

4.55 Flat topped spur or point, projects south; descend abrupt E. slope, 300 ft.

16.20 Deep narrow gulch drains S.; ascend 250 ft. over abrupt W. slope.

30.50 Flat topped spur, projects S.; descend 65 ft. over SE. slope to $\frac{1}{4}$ cor.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is nothing.

40.00 North 2 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 13 ins. in the ground to solid rock, with a sandstone 6x4x3 ins., marked X, deposited alongside, and surrounded by a mound of stone to top for standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC	
$\frac{1}{4}$ S	32

1934

Continue descent.

42.85 Draw, 25 ft. below $\frac{1}{4}$ cor., drains S.20°W.; ascend abrupt W. slope 275 ft.

53.30 Extreme S. end of a high spur or point of mesa from the N.; descend 200 ft. over broken SE. slope.

76.20 Rocky draw, drains S.; ascend 65 ft. over W. slope.

Difference bet. measurements of 80.00 chs. by two sets of chainmen is 4 lks., position of middle point

By 1st set, 79.98 chs.

By 2nd set, 80.02 chs., the mean of which is

80.00 North 3 lks. from the tangent.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for standard cor. secs. 32 and 33, with brass cap marked

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.14 E.

Chains

entire

SC

T30S	R14E
S32	S33

1934

of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. raise a mound

Land, rough and broken; general SW. and S. exposure and drainage.

Soil, shallow sandy loam, shale, slate and sandstone r 2nd and 4th rate.

Timber, none.

Undergrowth, shadscale, mountain rush, and gramma grass. Fair grazing land.

East, along S. bdy. of sec. 33, on a transit line describing the tangent which bears S. $89^{\circ}58.6'E$.

Over rough broken land, through scattered undergrowth, ascend abrupt rocky W. slope 185 ft.

4.45 Top of high flat topped spur, projects SW.; descend abrupt E. slope 385 ft.

18.25 Deep narrow gulch, drains S. $50^{\circ}W$.; ascend abrupt rocky slope 355 ft.

31.82 Set flag on E. rim of the gulch, bears NE. and SW.; then gradually ascend 45 ft. over bench to $\frac{1}{4}$ sec. cor.

Difference bet. measurement of 40.00 chs. by two sets of chainmen is nothing.

40.00 North 5 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, with a sandstone $9 \times 7 \times 1$ ins. marked X, deposited alongside and surrounded by a mound of stone to top, for standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC

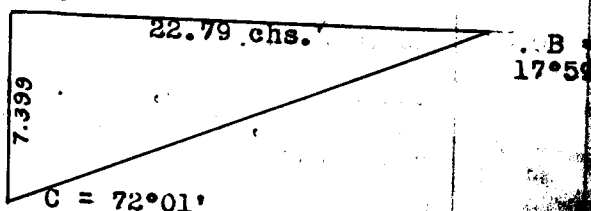
$\frac{1}{4}$ S 33

1934

The line to the east ascends over abrupt talus slope and a vertical sandstone ledge about 175 ft. high, therefore to determine distance E. to top of rim, I triangulated as follows:

In order to procure a suitable base line, return to flag left at 31.82 chs. designated A. Set flag B on line on top of rim. From A with telescope sighted at B, turn an angle 90° to the right and measure a base 7.399 chs. No difference in measurement by two sets of chainmen. Vertical angle A to B = $+27\frac{1}{2}^{\circ}$

All angles checked by three repetitions, with error of $0^{\circ}15'$ balanced to 180° .

A = 90° C = $72^{\circ}01'$

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.14 E.

Chains

Distance on line 31.82 chs.
Distance by triangulation 22.79 chs.
54.61 chs.

54.61 Point B of triangulation on top of E. rim of the Dirty Devil or Fremont River Canyon and W. edge of Sam's Mesa 745 ft. above $\frac{1}{2}$ sec. cor. and 1335 ft. above the river crossed in sec. 31, bears N. and S; gradually ascend broken W. slope, entering scattered scrub juniper timber.

63.40 Spur, 85 ft. above rim, projects SW.; descend 10 ft. to witness corner.

Difference bet. measurements of 76.13 chs. by two sets of chainmen is 2 lks., position of middle point

By 1st set, 76.12 chs.

By 2nd set, 76.14 chs.; the mean of which is

76.13 North 7 lks. from the tangent.

Over a cross X cut into solid sandstone surface rock, set an iron post, 3 ft. long, 2 ins. diam., surrounded by a mound of stone to top, for witness corner to the standard cor. of secs. 33 and 34, with brass cap marked

SC
T30S | R14E
S33 | S34
W
C

1934

No suitable bearing trees within limits.

76.23 Set flag on W. rim of gulch or canyon, bears NE. and SW.; the line to the east crosses a deep gulch rimmed with high ledges and precipitious talus slopes which make chaining impracticable.

80.00 North 7 lks. from tangent. True point for the standard cor. of secs. 33 and 34, falls on precipitious E. slope where it is impracticable to set a corner.

Land, rough and broken with general SW. exposure and drainage.
Soil, rocky in form of sandstone surface rock, ledges and shale, with shallow sandy loam, 4th and 2nd rates.
Timber, none.
Undergrowth, black brush and mountain rush and greasewood grass.
Fair grazing land.

East, along S. bdy. sec. 34, on a transit line describing the tangent which bears S.89°58'E.

Over rough broken land through scattered undergrowth.

In order to determine distance across gulch I return to point left at 76.23 chs. on south bdy. sec. 33 and triangulate as follows:

Designate the 76.23 chs. point as A and set flag B on line to the E. on opposite rim. From B with the telescope sighted at A, deflect an angle of 90° to the left and measure base line BC a mean distance of 14.531 chs.

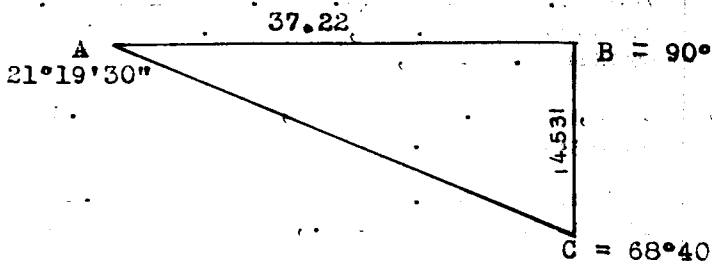
6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.14 E.

Chains

CHAINS

By 1st set, 14.528 chs.
By 2nd set, 14.534 chs.

Vertical angle A to B is $+1^\circ$. Angle subtended at C is $68^\circ 40' 30''$. Angle at A is $21^\circ 19' 30''$.



Distance by triangulation 37.22 chs.
Less distance point A to true corner point 3.77 chs.
Total distance from true cor. point 33.45 chs.

18.50 Approximate distance. Bottom of gulch or canyon about 700 ft. deep, drains SW.; ascend abrupt W. slope.

33.45 Point B of triangulation on E. rim of canyon, 45 ft. above W. rim, bears NE. and SW. Thence over mesa through scattered junipers and undergrowth; ascend 15 ft. to $\frac{1}{4}$ sec. cor.

Difference bet. measurements of 40.00 by two sets of chainmen is nothing.

40.00 North 10 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in ground to bedrock and in a mound of stone to top, for standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
4 S 34

1934

from which

A juniper, 8 ins. diam., bears N. 8° E., 26 lks. dist., marked B T.

A juniper, 5 ins. diam., bears N. $76\frac{1}{2}^\circ$ W. 130 lks. dist., marked B T.

Trees too scrubby for full markings.

Gradually ascend W. slope.

44.10 Slope changes to a SW. slope.

52.75 Spur, 75 ft. above $\frac{1}{4}$ sec. cor., projects SW.; descend gradual SE. slope 65 ft.

74.60 East rim of Sam's Mesa and W. rim of Happy Canyon and leave scattered timber, bears NE. and SW.; descend abrupt E. slope 55 ft. to witness cor.

Difference bet. measurements of 75.74 chs. by two sets of chainmen is nothing.

5TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.14 E.

Chains

75.74 North 13 lks. from the tangent.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to solid rock, with a sandstone 8x6x4 ins., marked X deposited alongside and in a mound of stone to top, for witness corner to the standard cor. of secs. 34 and 35, with brass cap marked

SC	
T30S	R14E
S34	S35
W	
C	

1934

75.81 Set point for triangulation. The line east from this point descends over nearly vertical red sandstone ledge about 200 ft. high and precipitious talus slope into Happy Canyon, down which it is impracticable to chain.

80.00 North 13 lks. from the tangent.

The true point for standard cor. of secs. 34 and 35, falls on precipitious slope where it is impracticable to set cor.

Land, rough and broken with general S. exposure and drainage.

Soil, rocky, sandstone formation with shallow sandy loam, 2nd and 4th rates.

Timber, scattered junipers and pinon on mesa top.

Undergrowth, scattered black brush, mountain rush, mesquite and greasewood grass.

Fair grazing land, where slopes are not too abrupt.

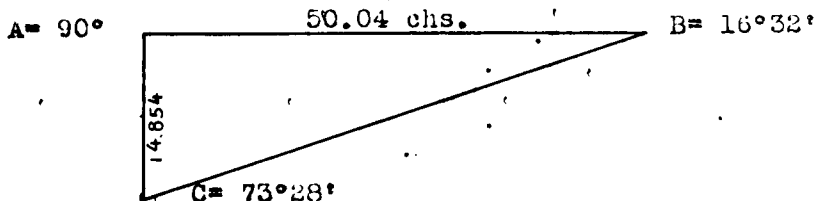
East, along the S. bdy. sec. 35, on a transit line describing the tangent which bears S. 89° 57.3' E.

Over rough broken land, through scattered undergrowth.

In order to determine distance E. from point at 75.81 chs I triangulate as follows.

Designate the 75.81 chs. point A and set flag B east on tangent across bottom of canyon, vertical angle of -16° From A with telescope sighted at B deflect an angle of 90° to the right and measure base AC 14.854 chs. dist., the mean by two sets of chainmen with no difference in measurements.

The angle subtended at C = 73° 28' and at B = 16° 32'; all angles checked with 3 repetitions with error of 0' 20" balanced to 180°.



6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.14 E.

Chains	
	<p>Distance by triangulation 50.04 chs. Less distance point A to true corner point 4.19 " Total distance from true sec.cor. point 45.85 chs. Distance by return measurement 8.90 38.95</p>
38.95	Bottom of Happy Canyon, dry, 1030 ft. below witness cor. drains S.; ascend W. slope 20 ft.
40.00	<p>North 16 lks. from the tangent.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, with a sandstone 7x5x3 ins. marked X deposited at base and in mound of stone to top for stan. $\frac{1}{2}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">SC $\frac{1}{2}$ S 35 <hr/> 1934</p> <p>Ascend W. slope 65 ft.</p>
45.85	Point B. of triangulation. Thence ascend 310 ft. over rough NW. slope to sec. cor.
73.00	<p>Small wash, drains NW.</p> <p>Difference bet. measurements of 80.00 chs. by two sets of chainmen is 2 lks., position of middle point</p> <p style="padding-left: 40px;">By 1st set, 79.99 chs. By 2nd set, 80.01 chs., the mean of which is</p>
80.00	<p>North 20 lks. from the tangent.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground to solid rock with a sandstone 8x5x3 ins. marked X deposited alongside and in a mound of stone to top for standard cor. secs. 35 and 36, with brass cap marked</p> <p style="text-align: center;">SC T30S R14E 335 336 <hr/> 1934</p> <p>No other accessories available.</p> <p>Land, rough and broken with steep slopes, general SW. and S. exposure and drainage.</p> <p>Soil, rocky of red sandstone formation in form of ledges, outcrops, surface rock, with shallow sandy loam, 2nd and 4th rates.</p> <p>Timber, none.</p> <p>Undergrowth, black brush, mountain rush, shadscale and gramma grass.</p> <p>Poor grazing land.</p>
	<p>East, along the S. bdy. of sec. 36, on a transit line describing the tangent which bears S.89°56.6'E.</p>

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.14 E.

Chains

Over rough broken land, through scattered undergrowth; ascend broken NW. slope.

6.00 Slope changes to a N. slope.

14.65 Rocky spur, 185 ft. above sec. cor., slopes N.; descend broken NE. slope 140 ft. to $\frac{1}{4}$ sec. cor.

22.40 Thence over small flat topped bench.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 2 lks., position of middle point

By 1st set, 39.99 chs.,
By 2nd set, 40.01 chs., the mean of which is

40.00 North 24 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
$\frac{1}{4}$ S 36
1934

raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high; N. of cor.

41.00 East rim of the small bench, bears NW. and SE.; descend 155 ft. over NE. slope.

59.00 Draw, drains NW.; ascend 150 ft. over W. slope to rim.

Difference bet. measurements of 60.85 chs. by two sets of chainmen is nothing.

60.85 Set flag for future reference.

66.30 West rim of small bench, bears NW. and SE.; thence over bench sloping W., ascend 360 ft. to sec. cor.

72.90 Leave bench, bears NW. and SE. begin abrupt ascent over W. slope.

Difference bet. measurements of 80.00 chs. by two sets of chainmen is 1 lk., position of middle point

By 1st set, 79.995 chs.,
By 2nd set, 80.005 chs., the mean of which is

80.00 North 28 lks. from the tangent.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground for standard cor. of township 30 south, ranges 14 and 15 east, with brass cap marked

SC
T30S
R14E R15E
S36 S31
1934

raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Land, rough and broken, general NW. exposure and drainage.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.14 E.

Chains

Soil, rocky and shallow sandy loam, 2nd and 4th rates.
Timber, none.
Undergrowth, mountain rush, black brush, rabbit brush
and gramma grass.
Poor grazing land.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.15 E.

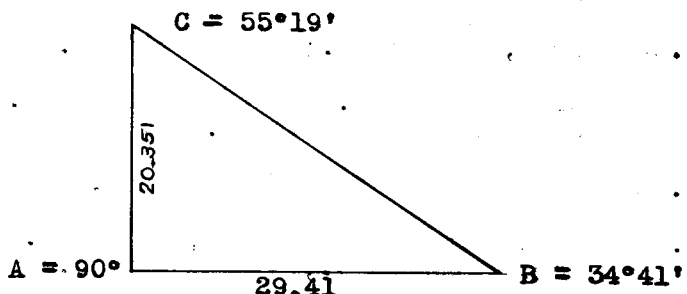
East, along S. bdy. sec. 31.

Over rough broken land, through scattered undergrowth.

The line to the east of the standard township cor. ascends precipitous W. slope at top of which is a vertical rim about 200 ft. high over which chaining is impracticable, therefore to determine distance to top of rim which is easterly about 10 chs. distance I proceed as follows:

Being unable to secure a suitable base at this point I return to a point at 60.85 chs. on S. bdy. sec. 36, designated A, then set flag B east on line on top rim, with vertical angle of $+28\frac{1}{2}^\circ$. From A with telescope sighted, deflect an angle of 90° to the left, and measure a base 20.351 chs. dist., the mean by two sets of chainmen with no difference.

Angle subtended at C = $55^\circ 19'$; angle at B = $34^\circ 41'$:



Distance by triangulation	29.41 chs.
Less distance from A to township corner	<u>19.15 "</u>
Total distance from township corner to B	10.26 chs. ✓

10.26

Point B of triangulation on top of a 200 ft. red sandstone ledge and SE. rim of Happy Canyon, 630 ft. above township corner and 1040 ft. above point A, bears N. and S.

Offset N. $29\frac{1}{2}$ lks. distance to true standard parallel. At this point May 12th at 4h 25.3m a.m. l.m.t. I observed Polaris at eastern elongation. Turning from the mean point in the line determined by observation upon Polaris at eastern elongation, I set a flag on the tangent E.; the multiple angle of four repetitions reads $354^\circ 40'$, which indicates an angle of $88^\circ 40'$.

Thence

East, with the establishment of the 6th Standard Parallel South, through R. 15 E., along S. bdy. sec. 31, on a transit line describing the tangent which bears east, distance counted from stan. cor. of T.30 S., R.14 & 15. Over broken mesa top sloping W., enter scattering juniper

chains

12.80 Thence over SE. slope.

20.75 Thence over SW. slope.

Difference bet. measurements of 39.61 chs. by two sets of chainmen is nothing.

59.61 On the tangent. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for witness cor. to the standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S 31
W
C
1934

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

40.00 The true point for standard $\frac{1}{4}$ sec. cor. falls on sloping sandstone surface rock where a permanent cor. could not be established, cut a cross X at the true cor. point.

Corner point is 230 ft. above the 10.26 chs. point.

42.00 A sandstone spur, 15 ft. above $\frac{1}{4}$ sec. cor., projects N.30°W.; descend broken NE. slope 185 ft.

66.30 Draw, drains NW.; ascend NW. slope 85 ft.

77.80 Spur, projects N.30°E.; descend E. slope 20 ft.

Difference bet. measurements of 80.00 chs. by two sets of chainmen is 6 lks; position of middle point

By 1st set, 79.97 chs.,

By 2nd set, 80.03 chs., the mean of which is

80.00 North 1 lk. from the tangent.

Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground to solid rock and in mound of stone to top, for standard corner of secs. 31 and 32, with brass cap marked

SC
T30S | R15E
S31 | S32

1934

from which

A juniper, 3 ins. diam., bears N.27 $\frac{1}{2}$ °E., 130 lks. dist., marked B T.

A pinon, 3 ins. diam., bears N.37 3/4°W. 130 lks. dist., marked B T.

Land, rough and broken mesa slopes and mesa top, general W. and NW. exposure and drainage.

Soil, rocky and shallow sandy loam, 2nd and 3rd rate.

Timber, scattered juniper on mesa top, portion of mile.

Undergrowth, black brush, mountain rush and gramma grass.

Fair grazing land.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.15 E.

Chains

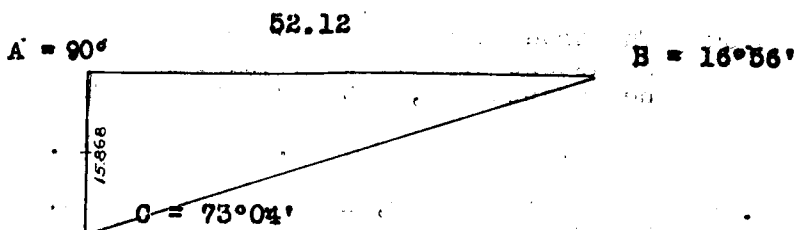
East, along S. bdy. sec. 32, on a transit line describing the tangent which bears S.89°59.3'E.

Over rough and broken land, through scattered timber and undergrowth, descend east slope 45' ft.

7.88

West rim of deep gulch and top of red sandstone ledge 225 ft. high and leave timber, bears N.30°E. and S.30°E. chaining being impracticable, therefore to determine distance across gulch I triangulate as follows. Designate this point A and set flag B on line E. Vertical angle -15½°. From A with telescope sighted at B, deflect an angle of 90° to the right and measure a base BC 15.868 chs. dist. The mean by two sets of chainmen with no difference in measurement.

Angle subtended at C = 73°04' and at B = 16°56'. All angles checked by three repetitions with error balanced to 180°..



Distance by triangulation
Distance on line

52.12 chs.
7.88 chs.

Distance by return measurement

60.00 chs.
21.30 "
38.70 chs.

38.70

Bottom of deep gulch, 1130 ft. below rim, drains N.

39.70

Wash, drains NW.; thence over gentle NW. slope.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is nothing.

40.00

North 2 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground to solid rock, with a hard dark rock 9x5x3 ins. marked X deposited alongside and surrounded by a mound of stone to top for standard ¼ sec. cor., with brass cap marked

SC
¼ S 32

1934

No other accessories available. Ascend abrupt W. slope 140 ft.

45.25

Top of gray sandstone rim and small bench, bears N. and S.; ascend NW. slope 260 ft. to sec. cor.

60.00

Point B of triangulation, 935 ft. below point A.

Difference bet. measurements of 80.00 chs. by two sets of chainmen is 2 lks., position of middle point

By 1st set, 79.99 chs.,

By 2nd set, 80.01 chs., the mean of which is

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.15 E.

Chains

80.00 North 3 lks. from the tangent.

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock with a sandstone 9x6x4 ins. marked X, deposited alongside and surrounded by a mound of stone to top for standard cor. of secs. 32 and 33, with brass cap marked

SC	
T30S	R15E
S32	S33

1934

Corner situated in saddle of spur, sloping N.

Land, rough and broken general NW. exposure and drainage. Soil, shallow sandy loam and rocky, 2nd and 4th rates. Timber, scattered junipers on portion of mile. Undergrowth, scattered black brush, mountain rush, bunch and gramma grass. Fair grazing land.

East, along S. bdy. of sec. 33 on a transit line describing the tangent which bears S.89°58.6'E.

Over rough, broken land, through scattered undergrowth.

1.79 The line E. of this point crosses a gulch rimmed with vertical ledges and east about 35 chs. crosses a high spur rimmed with inaccessible sandstone walls which make it impracticable to project true line over same, therefore offset as follows:

From backsight along my tangent deflect an angle of 90° to the right, thence N. 25.89 chs. distance with no difference in measurements by two sets of chainmen.

Thence

East on offset line.

Difference bet. measurements of 42.26 chs. by two sets of chainmen is 2 lks., position of middle point

By 1st set, 42.25 chs.,

By 2nd set, 42.27 chs., the mean of which is 42.26 chs.

Thence

South 25.89 chs. difference bet. measurements by two sets of chainmen is nothing.

Recover tangent line at 44.05 chs.

Distance by return measurement

4.05	"
40.00	"

Items of topography are approximate distance on true parallel.

8.30 Draw, drains NW.; ascend 900 ft. to spur.

31.60 East rim of canyon, bears N. and S.; enter scattered junipers.

34.50 Spur, projects N.; descend 675 ft. over precipitous

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.15 E.

Chains		ENTER
	slope and vertical sandstone rim to the $\frac{1}{4}$ sec. cor.	00.00
40.00	North 5 lks. from the tangent. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for the standard $\frac{1}{4}$ sec. cor., with brass cap marked	
	SC $\frac{1}{4}$ S 33	
	1934	
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Descend over talus E. slope 300 ft. to draw.	
52.90	Draw, drains N.; thence over broken NW. slope 20 ft.	
56.30	Small spur, projects N.; descend 15 ft.	
57.40	Draw, drains N.; ascend abrupt W. slope 505 ft. to sec. cor.	
75.20	Slope changes to steep rocky N. slope. Difference bet. measurements of 80.00 chs. by two sets chainmen is 1 lk., position of middle point By 1st set, 79.995 chs. By 2nd set, 80.005 chs., the mean of which is	
80.00	North 7 lks. from the tangent. Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground with a sandstone 9x7x4 ins., marked X, deposited at the base, for the standard cor. of secs. 33 and 34, with brass cap marked	
	SC T30S R15E S33 S34	
	1934	
	raise a mound of stone, 4 ft. base, 3 ft. high, north of cor. Land, broken mesa desert; general N. and NW. drainage. Soil, shallow sandy loam. Timber, scattering junipers. Undergrowth, black brush, mountain rush, shadscale, gramma grass, bench grass. Fair grazing land.	
	East along the S. bdy. of sec. 34, on a transit line describing the tangent which bears S.69°58'E.	
	Over mesa desert land through scattered undergrowth.	
.75	Spur, projects N., also large sandstone boulder 40x40 20 ft. above ground; descend 475 ft. over broken NE. slope.	
19.60	Gray sandstone rim of canyon, bears NW. and SE. passes 110 ft.	
23.20	Draw, drains N.; ascend 115 ft.	00.00

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.15 E.

Chains

29.45

Same gray sandstone rim of canyon as at 19.60 chs., bears NE. and SW.; descend 150 ft. to $\frac{1}{4}$ sec. cor.

33.00

Same sandstone rim of canyon, bears NW. and SE.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 3 lks.; position of middle point.

By 1st set, 39.985 chs.,

By 2nd set, 40.015 chs., the mean of which is

40.00

North 10 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock with a sandstone 7x5x3 ins., marked X, deposited at the base and in a mound of stone for the standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S 34

1934

Descend NE. slope 340 ft.

49.65

Bottom of canyon, drains NW.; ascend 190 ft. over broken NW. slope.

60.65

East rim of canyon, bears NE. and SW., thence over small bench sloping W., enter scattering junipers, bears NE. and SW.; ascend 80 ft. to sec. cor.

68.20

Leave junipers, bears NE. and SW.

Difference bet. measurements of 80.00 chs. by two sets of chainmen is 2 lks., position of middle point

By 1st set, 79.99 chs.,

By 2nd set, 80.01 chs., the mean of which is

80.00

North 13 lks. from the tangent.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock, with a sandstone 4x7x10 ins., marked X deposited at the base and in a mound of stone, for the standard cor. of secs. 34 and 35, with brass cap marked

SC
T30S | R15E
S34 | S35

1934

Land, broken mesa desert, general NW. drainage.

Soil, shallow sandy loam.

Timber, scattered junipers.

Undergrowth, black brush, mountain rush, torch weed, gramma and bunch grass.

Fair grazing land.

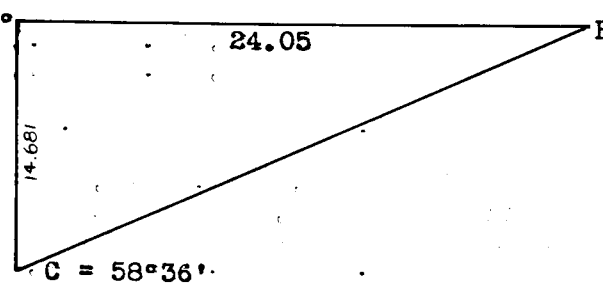
East, along S. bdy. of sec. 35, on a transit line describing the tangent which bears S.89°57.3'E.

Over bench land through scattering undergrowth; ascend SW. slope 90 ft.

17.45

Descend rocky SE. slope, 40 ft. to standard $\frac{1}{4}$ sec. cor.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.15 E.

Chains	Difference bet. measurements of 40.00 chs. by two sets of chainmen is 1 lk., position of middle point
	By 1st set, 39.995 chs., By 2nd set, 40.005 chs., the mean of which is
40.00	North 16 lks. from the tangent: Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, with a sandstone 8x5x3 ins., marked X deposited at the base and in a mound of stone for the standard $\frac{1}{4}$ sec. cor., with brass cap marked <div><div>SC</div><div>$\frac{1}{4}$ S 85</div><div>1934</div></div> No other suitable accessories available. Descend 10 ft. along broken S. slope to 45.76 chs. Difference bet. measurements of 45.20 chs. by two sets of chainmen is nothing.
45.20	Impracticable to chain E. from this point on account of talus slope and sandstone ledge 175 ft. high, therefore to determine the distance I triangulate as follows: Designate this point A, and set flag B on line to the E.; with the telescope sighted at B, I deflect an angle of 90° to the right and measure base line AC, 14.68 chs.; the mean of two sets of chainmen, with no differences in measurement. Angle subtended at C = 58°36'; at B = 31°24'; all angles checked by three repetitions, with error balanced to 180°. Vertical angle from A to B is +27°. <div><div>A = 90°</div><div></div><div>B = 31°24'</div></div> <div><div>Distance on tangent line</div><div>Distance by triangulation</div><div>69.25</div></div>
45.76	Draw, drains S.; ascend 805 ft.
69.25	Point B of triangulation on top of rim of canyon, bears NW. and SE., thence over flat top of mesa through scattering juniper and pinon and undergrowth; ascent over general W. slope 15 ft.
76.85	Spur, projects S.; descend E. slope 60 ft. Difference bet. measurements of 80.00 chs. by two sets of chainmen is nothing.
80.00	True point for standard cor. of secs. 35 and 36, falls on sloping face of ledge, where it is impracticable to set cor. Land, broken mesa bench with general W. and SW. drainage

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.15 E.

Chains

Soil, shallow sandy loam 2nd rate.
Timber, scattering juniper.
Undergrowth, black brush, mountain rush, gramma grass.
Fair grazing land.

East, along the S. bdy. of sec. 36, on a transit line describing the tangent, which bears S.89°56.6'E.

Over broken mesa land through scattering timber and undergrowth; descend 145 ft. to draw.

.72 North 20 lks. from the tangent.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, with a sandstone 3x4x6 ins., marked X, deposited at the base and in a mound of stone to top for the witness standard cor. of secs. 35 and 36, with brass cap marked

	SC	
T30S		R15E
S35		S36
WC		
1934		

No other suitable accessories available.

7.85 Draw, drains S.; ascend abrupt W. slope 250 ft. over surface rock.

34.85 Spur, projects NW.; descend E. slope 65 ft. to 36.55 chs.

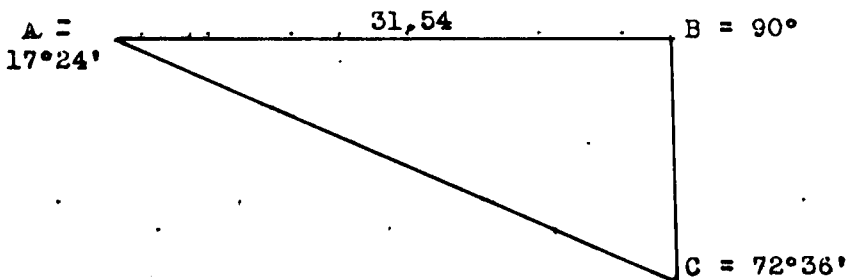
36.32 North 24 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., on solid rock over a chiseled X, and in a mound of stone to top for the witness standard $\frac{1}{4}$ sec. cor., with brass cap marked

	SC	
$\frac{1}{4}$ S 36		
	WC	
1934		

36.55 West rim of Big Canyon, bears NW. and SE.; descend over inaccessible perpendicular ledge, 190 ft. high and precipitious talus E. slope 715 ft., over which chaining is impractical,

In order to determine distance across precipitious sandstone ledge and talus slope, I return to 35.61 chs. point which I designate A, and set a flag B on the tangent line to the east, from B with the telescope sighted on A, I deflect an angle of 90° to the left, and measure base line BC, 9.885 chs., mean of two sets of chainmen with no difference in measurement. Angle subtended at A = 17°24' and at C = 72°36'. Vertical angle A to B is -20 $\frac{1}{2}$ °. All angles checked by three repetitions, with error balanced to 180°.



Distance on tangent line	35.61
Distance by triangulation	31.54
	37.15

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.15 E.

Chains	
40.00	True point for standard $\frac{1}{4}$ sec. cor., falls on face of ledge.
67.15	Point B of triangulation on small bench; descend over bench land sloping NE., 10 ft.
70.55	Lower W. rim of Big Canyon, bears NW. and SE.; descend abrupt NE. slope 275 ft. to standard township cor.
	Difference bet. measurements of 80.00 chs. by two sets of chainmen is nothing.
80.00	North 28 lks. from the tangent.
	Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground with a sandstone 12x6x2 ins., marked X, deposited at the base for the standard cor. of Tps. 30 S., Rs. 15 and 16 E., with brass cap marked

SC
T30S
R15E R16E
S36 S31

1934

raise a mound

of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Land, broken mesa desert with general SE. and NW. drainage.

Soil, shallow sandy loam, 2nd rate.

Timber, juniper and pinon.

Undergrowth, blackbrush, mountain rush, rabbit brush and gramma grass.

Fair grazing land.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.16 E.

May 16, 1934, at the standard cor. of Tps. 30 S., Rs. 15 and 16 E., S.L.M., in latitude $38^{\circ}10'N.$, and longitude $110^{\circ}16'W.$, at 4h 7.6m a.m., l.m.t., I observe Polaris at E. elongation, making four observations, two each with the telescope in direct and reversed positions, reading the deflection angle from a nail in a post driven firmly in the ground about 8 chs. north, east to Polaris.

After sunrise, I lay off the azimuth of Polaris $1^{\circ}20'$ to the west and mark the meridian thus determined by a nail in a post driven firmly in the ground about 8 chs. N.

I turn 90° from the true meridian and run east, with the establishment of the sixth standard parallel south, along the S. bdy. of sec. 31, T.30 S., R.16 E., on transit line describing the tangent.

Over bottom land through scattering undergrowth, slight descent.

12.00 Wash in bottom of Big Canyon, drains NW.; over broken mesa land, ascend W. slope 330 ft.

32.90 Lower east rim of Big Canyon, bears N. and S., thence over small bench sloping W.; enter scattering juniper, ascend 35 ft.

Difference bet. measurements of 40.00 chs. by two sets of chainmen; is 2 lks.; position of middle point

By 1st set, 39.99 chs.

By 2nd set, 40.01 chs.; the mean of which is

On the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground with a sandstone 3x6x10 ins., marked X, deposited at the base for the standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S 31

1934

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

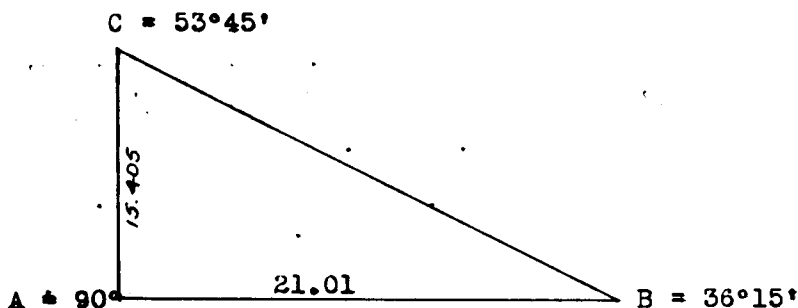
No suitable bearing trees available.

Continue over bench land, ascend.

In order to determine the distance across precipitious talus W. slope and perpendicular red sandstone ledge 200 ft. high, I use this station on the tangent as point A and set a flag B on the tangent to the east; point C is taken northerly; the mean distance from A to C is 15.405 chs.

Difference bet. measurements of 15.405 chs., by two sets of chainmen is nothing.

The vertical angle from A to B is $+32^\circ$.



All angles by 3 repetitions, balance to 180° as follows:

At point A, $90^\circ 00'$

At point B, $36^\circ 15'$

At point C, $53^\circ 45'$

Distance on tangent line at A	40.94 chs.
Distance by triangulation	<u>21.01</u> "
Distance on tangent line at B	61.95 "

Upper E. rim of Big Canyon, bears N. and S., 880 ft. above standard $\frac{1}{4}$ sec. cor.

Thence

Over broken top of mesa through scattering juniper, ascend 55 ft.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.16 E.

Chains

64.50

Small spur; projects S. about 10 chs.; descend abrupt slope 85 ft. to witness cor.

71.86

North 1 lk: from the tangent.

Set an iron post, 3 ft. long, 2 ins. diam., 17 ins. in the ground with a sandstone 10x6x2 ins., marked X, deposited at the base and in a mound of stone for the standard witness cor. of secs. 31 and 32, with brass cap marked

SC	
T30S	R16E
S31	S32
WC	
1934	

No other suitable accessories available.

80.00

True point for standard sec. cor. falls on inaccessible precipitous SE. slope, where it is impracticable to set cor.

Land, broken mesa, rough mountains; general drainage W. Soil, shallow sandy loam, 2nd rate.

Timber, scattering juniper and pinon.

Undergrowth, black brush, mountain rush, bunch and gramma grass, silver leaf.

Fair grazing land.

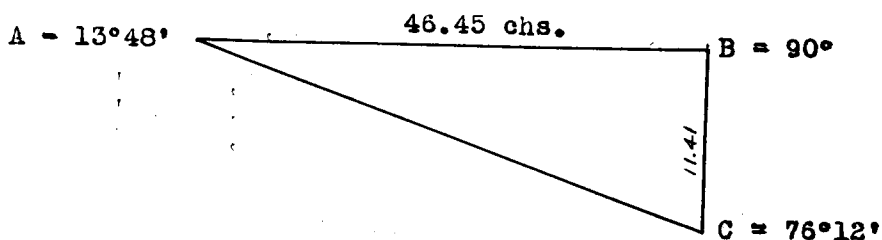
East, along the S. bdy. of sec. 32, on a transit line describing the tangent, which bears S.89°59.3'E.

Line to the east passes over inaccessible ledges over which chaining is impracticable.

In order to determine the distance I return to 66.52 chs. point on tangent on S. bdy. of sec. 31, which I designate A, and set a flag B on the tangent to the east; point C is taken southerly from point B; the mean distance from B to C is 11.41 chs.

Difference bet. measurements of 11.41 chs. by two sets of chainmen is nothing.

The vertical angle from A to B is +2°.



All angles by 3 repetitions, balance to 180°, as follows:

At point A,	13°48'
At point B,	90°00'
At point C,	76°12'

Distance by triangulation.	46.45 chs.
Distance from A to standard sec. cor.	13.48 "
Distance on line along S. bdy. sec. 32	32.97 "

**6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.16 E.**

Chains

- 15.05 Approximate distance of topography, 750 ft. below point A of triangulation, drains SW.; precipitious ascent of 855 ft.
- 32.97 Point B of triangulation on E. rim of cove, enter dense timber, bears N. and S.; ascend 15 ft. over flat top mesa.
- Difference bet. measurements of 40.00 chs., by two sets of chainmen, is nothing.
- 40.00 North 2 lks. from the tangent.
- Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the standard $\frac{1}{4}$ sec. cor., with brass cap marked
- SC
 $\frac{1}{4}$ S 32

1934
- from which
- A pinon, 3 ins. diam., bears N.38°E., 67 lks. dist., marked B T only.
- A pinon, 3 ins. diam., bears N.20°W., 125 lks. dist., marked B T only.
- Continue over flat top mesa sloping W.
- 46.80 Ridge, bears N. and S.; general descent of 285 ft. over E. slope to standard sec. cor.
- 72.90 Upper W. rim of Happy Canyon and sloping sandstone ledge bears NW. and SE.
- Difference bet. measurements of 74.59 chs. by two sets of chainmen is 4 lks.; position of middle point
- By 1st set, 74.57 chs.,
 By 2nd set, 74.61 chs., the mean of which is
- 74.59 North 3 lks. from the tangent.
- Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with a sandstone 7x7x3 ins., marked X, deposited at the base for the witness standard cor. of secs. 32 and 33, with brass cap marked
- SC

T30S	R16E
S32	S33

1934 WC
- from which
- A pinon, 3 ins. diam., bears N.45°W., 9 lks. dist., marked W C B T only.
- No other suitable accessories available.
- 80.00 True point for standard cor. of secs. 32 and 33 falls on sloping face of ledge, where it is impracticable to set cor.
- Land, broken mesa desert, general SW. drainage.
 Soil, shallow sandy loam 2nd rate.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.16 E.

Chains

Timber, juniper and pinon.
Undergrowth, black brush, mountain rush, match weed,
gramma grass and silver leaf.
Fair grazing land.

East, along the S. bdy. of sec. 38, on a transit line
describing the tangent which bears S.89°58.6'E.

Over broken mesa land through scattering timber and
undergrowth; descend 460 ft. to standard $\frac{1}{4}$ sec. cor.

Difference bet. measurements of 40.00 chs. by two sets
of chainmen is nothing.

40.00 North 5 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
ground to solid rock and in a mound of stone for the
standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S 33

1934

from which

A juniper, 3 ins. diam., bears N.46°W., 61 lks.
dist., marked B T only.

No other suitable accessories available.

Descend NE. slope.

40.30 Lower W. rim of Happy Canyon and gray sandstone ledge 40
ft. high, bears NW. and SE.; descend abrupt NE. slope
315 ft.

50.15 Bottom of Happy Canyon, drains N.; ascend abrupt W. slope
over gray sandstone ledge 40 ft. high.

58.15 Lower E. rim of Happy Canyon, bears N. and S.; ascend
over NW. slope of small bench 110 ft. to standard sec.
cor.

70.85 Small wash, drains SW.

77.80 South side of rocky hill, slopes S.

78.90 Wash, drains SW.

Difference bet. measurements of 80.00 chs. by two sets
of chainmen is 3 lks., position of middle point

By 1st set, 79.985 chs.

By 2nd set, 80.015 chs., the mean of which is

80.00 North 7 lks. from the tangent.

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in
the ground to solid rock and in a mound of stone for the
standard cor. of secs. 33 and 34, with brass cap marked

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY T.30 S., R.16 E.

SC	
T30S	R16E
S33	S34

1934

from which

A juniper, 4 ins. diam., bears N.59°E., 24 lks. dist., marked B T. only.

No other available accessories.

Land, broken mesa desert; general SE. and W. drainage.
Soil, shallow sandy loam, 2nd rate.
Timber, scattering juniper and pinon.
Undergrowth, black brush, mountain rush, bunch grass and silver leaf.
Fair grazing land.

East, along S. bdy. of sec. 34, on a transit line describing the tangent which bears S.89°58'E.

Over broken mesa desert land through scattering timber and undergrowth.

Ascend abrupt NW. slope 765 ft. to standard $\frac{1}{4}$ sec. cor.

13.70

Thence over talus NW. slope and vertical red sandstone ledge 135 ft. high bears E. and S.20°W.

18.00

Thence over talus NW. slope.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 3 lks., position of middle point

By 1st set, 40.015 chs.,

By 2nd set, 39.985 chs., the mean of which is

40.00

North 10 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground with a sandstone 4x7x10 ins., marked X, deposited at the base and in a mound of stone to top for the stan. $\frac{1}{4}$ sec. cor., with brass cap marked

SC	
$\frac{1}{4}$ S 34	

1934

from which

A pinon, 6 ins. diam., bears N.18 $\frac{3}{4}$ °E., 33 lks. dist., marked S C $\frac{1}{4}$ S 34 B T.

No other available accessories.

Ascend talus NW. slope 105 ft.

42.50

Extreme N. end of top of rocky promontory and top of rim of Happy Canyon, bears SE. and W.; descend NE. slope 85 ft. into cove under rim.

54.90

Bottom of cove, drains NW.
Ascend steep NW. slope 275 ft.

64.75

Top of rim of E. fork of Happy Canyon, bears NE. and SW.;

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.50 S., R.16 E.

Chains

ascend over flat top mesa 40 ft. through dense juniper pinon.

Difference bet. measurements of 80.00 chs. by two sets chainmen is nothing.

80.00

North 13 lks. from the tangent.

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in ground to bedrock and in a mound of stone to top for the cor. of secs. 34 and 35, with brass cap marked

SC	
T30S	R16E
S34	S35

1934

from which

A scrub juniper, 3 ins. diam., bears N.52°E., 22 lks. dist., marked B T only.

A scrub juniper, 3 ins. diam., bears N.38½°W., 36 lks. dist., marked B T only.

Land, broken mesa desert with general NW. drainage. Soil, shallow sandy loam 2nd rate.

Timber, scrub juniper and pinon.

Undergrowth, buck brush, service berry, cose, bunch grass and silver leaf.

Fair grazing land.

East, along the S. bdy. of sec. 35, on a transit line describing the tangent which bears S.89°57.3'E.

Over flat top mesa desert land through dense timber and undergrowth; ascend W. slope 10 ft.

4.00

Spur, projects N.; descend NE. slope 90 ft.

14.80

Draw, drains NW.; ascend W. slope 75 ft. to standard ¼ sec. cor.

38.45

Road, bears N. to Green River, Ut. and south to Flint Cabin.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 2 lks., position of middle point

By 1st set, 39.99 chs.,

By 2nd set, 40.01 chs., the mean of which is

40.00

North 16 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for the standard ¼ sec. cor., with brass cap marked

SC	
¼ S 35	

1934

from which

A pinon, 4 ins. diam., bears N.38 3/4°E., 27 lks. dist., marked S C ¼ S 35 B T.

5TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 E., R.16 E.

Chains

A pinon, 6 ins. diam., bears N.57½°W., 30 lks.
dist., marked S C ½ S 35 B T.

Ascend W. slope 35 ft. through dense timber.

45.90 Ridge, bears N. and S., main divide between Dirty Devil
or Fremont and Green River basins; descend NE. slope 10
ft.

55.90 West rim of Big Water Canyon and red sandstone ledge 300
ft. high, bears NW. and SE.; descend 655 ft. to standard
sec. cor.

60.60 Base of ledge.

71.85 Thence over bench land sloping E.

Difference bet. measurements of 80.00 chs. by two sets of
chainmen is nothing.

80.00 North 20 lks. from the tangent.

Set an iron post, 3 ft. long, 2 ins diam., 30 ins. in the
ground for the standard cor. of secs. 35 and 36, with
brass cap marked

SC	
T30S	R16E
S35	S36

1934

from which

A pinon, 12 ins. diam., bears N.40½°E., 77 lks.
dist., marked T 30 S R 16 E S 36 S C B T.

A scrub juniper, 5 ins. diam., bears N.53°W.,
137 lks. dist., marked B T only.

Land, broken mesa desert; general NE. and W. drainage.
Soil, shallow sandy loam, 2nd rate.

Timber, juniper and pinon.

Undergrowth, buck brush, mountain rush, bunch and gramma
grass, silver leaf.

Fair grazing land.

East, along the S. bdy. of sec. 36, on a transit line
describing the tangent, which bears S.89°56.6'E.

Over broken bench land through scattering timber and under-
growth; descend NE. slope 40 ft.

9.30 Draw, drains N.; ascend 70 ft. to standard ¼ sec. cor.

31.85 Wash, drains NW.

Difference bet. measurements of 40.00 chs. by two sets of
chainmen is 2 lks., position of middle point.

By 1st set, 39.99 chs.,

By 2nd set, 40.01 chs., the mean of which is

40.00 North 24 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
ground to bedrock and in a mound of stone for the standard
¼ sec. cor., with brass cap marked

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.16 E.

Chains

SC
1/2 S 36

1934

from which

A scrub juniper, 6 ins. diam., bears N.45°E.
76 lks. dist., marked B T only.

A pinon, 5 ins. diam., bears N.28°W., 81 lks.
dist., marked 1/2 S 36 S C B T.

South end of Bag Pipe Butte, bears N.39°E.; ascend
broken W. slope 50 ft to 66.20 chs.

54.80 South end of Bag Pipe Butte, bears N. about 20 chs.

66.20 Low ridge, bears N. and S.; descend NE. slope 25 ft. to
standard sec. cor.

66.55 South end of Bag Pipe Butte, bears N.33°30'W.

Difference bet. measurements of 80.00 chs. by two sets
of chainmen is 2 lks., position of middle point

By 1st set, 79.99 chs.,

By 2nd set, 80.01 chs., the mean of which is

80.00 North 28 lks. from the tangent.

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in
the ground to solid rock and in a mound of stone to top
the stan. cor. of Tps. 30 S., Rs. 16 and 17 E., with bra
cap marked

SC
T30S
R16E | R17E
S36 | S31

1934

from which

A pinon, 8 ins. diam.; bears N.61°E., 97 lks.
dist., marked T 30 S R 17 E S 31 S C B T.

A pinon, 10 ins. diam., bears N.42°W., 78
lks. dist., marked T 30 S R 16 E S 36 S C B T.

Land, broken mesa desert; general NE. drainage.

Soil, shallow sandy loam, 2nd rate.

Timber, scattering juniper and pinon.

Undergrowth, mountain rush; gramma grass, match weed
and prickly pear.

Fair grazing land.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.17 E.

May 19, 1934, at the standard cor. of Tps. 30 S., R.16 &
17E. in approximate latitude 38°10'N., and longitude 110°
09'W., at 3h 56m a.m. lmt., I observe Polaris at E. eleva
tion making four observations, two each with the teles-
cope in the direct and reversed positions, and mark the
mean point in the line thus determined, on a peg driven

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.17 E.

Chains	firmly in the ground about 7 chs. N.
5.70	After sunrise, I lay off the azimuth of Polaris $1^{\circ}20'$ to the west and mark the meridian thus determined by a tack in a peg driven firmly in the ground about 7 chs. N. I turn 90° from the point on the true meridian and run East, with the establishment of the sixth standard parallel South, along the S. bdy. of sec. 31, T.30 S., R. 17 E., on a transit line describing the tangent.
30.45	Over broken mesa desert land through dense timber and undergrowth; descend 15 ft.
40.00	West rim of Big Water Canyon and sandstone ledge 50 ft. high, bears N. and S.; descend abrupt NE. slope 455 ft.
	Wash in Big Water Canyon, drains NE.; ascend NW. slope 60 ft.
	Difference bet. measurements of 40.00 chs., by two sets of chainmen is nothing.
	On the tangent.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground and in a mound of stone for the standard $\frac{1}{4}$ sec. cor., with brass cap marked
	SC $\frac{1}{4}$ S 31
	1934
	from which
	A pinon, 3 ins. diam., bears N. $43\frac{1}{2}^{\circ}$ E., 95 lks. dist., marked B T only.
	A scrub juniper, 3 ins. diam., bears N. $55\frac{1}{2}^{\circ}$ W., 20 lks. dist., marked B T only.
	Ascent NW. slope 50 ft.
49.20	Small spur, projects N.; descend 50 ft.
54.90	Draw, drains N.; ascend 100 ft. to point for standard sec. cor.
	Difference bet. measurements of 80.00 chs., by two sets of chainmen is 2 lks., position of middle point,
	By 1st set, 79.99 chs., By 2nd set, 80.01 chs., the mean of which is
80.00	North 1 lk. from the tangent.
	True point for standard cor. of secs. 31 and 32, falls on sloping ledge, where it is impracticable to set cor.
	Land, broken mesa desert; general NE. drainage.
	Soil, shallow sandy loam, 2nd rate.
	Timber, juniper and pinon.
	Undergrowth, gramma grass, mountain rush, black brush and white greasewood.
	Good grazing land.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T. 30 S., R. 17 E.

Chains

East, along the S. bdy. of sec. 32, on a transit line describing the tangent, which bears S. 89° 59.3' E.

Over broken mesa desert through scattering timber and sparse undergrowth; ascend 85 ft. to spur.

.71

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the shale to solid rock and in a mound of stone to top the wit. standard cor. of secs. 31 and 32, with brass marked

SC	
T30S	R17E
S31	S32
WC	
1934	

from which

A juniper, 3 ins. diam., bears N. 55½° E., 84 lks. dist., marked W C B T only.

A scrub juniper, 6 ins. diam., bears N. 42° W., 27 lks. dist., marked W C B T only.

5.05

Top of shale capped spur, projects N.; descend NE. slope 165 ft.

27.40

Draw, drains N.; ascend broken W. slope 185 ft.

Difference bet. measurements of 40.00 chs., by two sets of chainmen is 5 lks., position of middle point

By 1st set, 39.375 chs.,

By 2nd set, 40.025 chs., the mean of which is

40.00

North 2 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock and in a mound of stone to top for the stan. cor. of secs. 32 and 33, with brass cap marked

SC
1/2 S 32

1934

from which

A scrub juniper, 3 ins. diam., bears N 78½° E., 92 lks. dist., marked B T only.

A scrub juniper, 4 ins. diam., bears N. 41½° W., 85 lks. dist., marked B T only.

Ascend broken W. slope 285 ft.

68.45

East rim of Big Water Canyon and gray sandstone ledge 50 ft. high, bears NE. and SW.; ascend 20 ft.

Difference bet. measurements of 80.00 chs., by two sets of chainmen is nothing.

80.00

North 3 lks. from the tangent.

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top for the stan. cor. of secs. 32 and 33, with brass cap marked

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.17 E.

Chains

SC
T30S | R17E
S32 | S33

1934

from which

A juniper, 3 ins. diam., bears N.9 3/4°E., 26
lks. dist., marked B T only.

A juniper, 3 ins. diam., bears N.61 1/2°W., 15
lks. dist., marked B T only.

Land, broken mesa desert; general NE. drainage.

Soil, shallow sandy loam, 2nd rate.

Timber, juniper and pinon.

Undergrowth, mountain rush, buck brush, gramma grass and
match weed.

Fair grazing land.

East, along the S. bdy. of sec. 33, on a transit line
describing the tangent, which bears S.89°58.6'E.

Over flat top broken mesa through scattering timber and
undergrowth; ascend 30 ft.

10.10 Ridge, bears NE. and SW.; descend 665 ft. to standard 1/4
sec. cor.

15.05 Sandstone rim, bears NE. and SW.; descend abrupt E. slope.

Difference bet. measurements of 40.00 chs., by two sets
of chainmen is nothing.

40.00 North 5 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the
ground to solid rock and in a mound of stone to top for the
standard 1/4 sec. cor., with brass cap marked

SC
1/4 S 33

1934

from which

A pinon, 6 ins. diam., bears N.71 3/4°E., 21
lks. dist., marked 1/4 S 33 S C B T.

A juniper, 3 ins. diam., bears N.60 1/4°E., 107
lks. dist., marked B T only.

Descend broken SE. slope 100 ft.

Difference bet. measurements of 80.00 chs., by two sets
of chainmen is nothing.

80.00 North 7 lks. from the tangent.

Set an iron post, 3 ft. long; 2 ins. diam., 8 ins. in
the ground to solid sandstone and in a mound of stone, to
top for the stan. cor. of secs. 33 and 34, with brass
cap marked

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, 61.36 S., 2.17 E.

Chains

BR18183

SC
T30S R17E
S33 S34

1934

from whi

A pinon, 3 ins. diam., bears N.40 3/4°E., 112 lks. dist., marked B T only.

A scrub juniper, 5 ins. diam., bears N.69 1/2°W. 130 lks. dist., marked B T only.

Land, broken mesa desert; general NE. drainage.
Soil, shallow sandy loam, 2nd rate.
Timber, juniper and pinon.
Undergrowth, mountain rush, black brush, gramma grass.
Fair grazing land.

East, along the S. bdy. of sec. 34, on a transit line describing the tangent, which bears S.89°58'E.

Over broken mesa land through scattering timber and undergrowth; descend SE. slope 40 ft.

5.95 Draw, drains S.; ascend slick rocky SW. slope 80 ft.

14.70 Spur, projects S.; descend 110 ft.

23.15 Draw, drains S.; ascend broken W. slope 120 ft.

Difference bet. measurements of 40.00 chs., by two sets of chainmen is 2 lks., position of middle point

By 1st set, 39.99 chs.,

By 2nd set, 40.01 chs., the mean of which is

40.00 North 10 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 7 ins. in hole drilled in solid sandstone and in a mound of stone to top of standard 1/2 sec. cor., with brass cap marked

SC
1/2 S 34

1934

from which

A pinon, 4 ins. diam., bears N.32 1/2°E., 19 lks. dist., marked B T only.

A juniper, 3 ins. diam., bears N.3°W., 23 lks. dist., marked B T only.

Ascend broken W. slope 225 ft. to ridge.

62.50 Ascent changes to SW. slope.

69.45 Sandstone ridge, bears NW. and SE.; descend 95 ft.

Difference bet. measurements of 80.00 chs., by two sets of chainmen is nothing.

80.00 North 13 lks. from the tangent.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.17 E.

Chains

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock and in a mound of stone to top for the standard cor. of secs. 34 and 35, with brass cap marked

SC	
T30S	R17E
S34	S35

1934

from which

A pinon, 3 ins. diam., bears N.40 $\frac{1}{2}$ °E., 26 lks. dist., marked B T only.

A pinon, 6 ins. diam., bears N.52 3/4°W., 98 lks. dist., marked T 30 S R 17 E S 34 S C B T.

Land, broken mesa desert; general S. drainage.

Soil, slick rocky slopes with occasional sand pockets, 4th rate.

Timber, scrub juniper and pinon.

Undergrowth, mountain rush, service berry and bunch grass.

Poor grazing land.

East, along the S. bdy. of sec. 35, on a transit line describing the tangent, which bears S.89°57.3'E.

Over broken mesa land through scattering timber and undergrowth; descend broken NE. slope 260 ft. to gulch.

35.40 Gulch, drains S., thence over broken sandstone domes and ledges; ascend 250 ft. to true point for standard $\frac{1}{4}$ sec. cor.

40.00 True point for standard $\frac{1}{4}$ sec. cor., falls on face of nearly vertical sandstone ledge, where it is impracticable to set cor.

41.65 sloping slick rock dome, descend 60 ft.

Difference bet. measurements of 48.46 chs., by two sets of chainmen is 2 lks.; position of middle point.

By 1st set, 48.45 chs.,

By 2nd set, 48.47 chs.; the mean of which is

48.46 North 17 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in hole drilled in solid sandstone and in a mound of stone to top for the standard witness $\frac{1}{4}$ sec. cor., with brass cap marked

SC	
$\frac{1}{4}$ S	35
WC	

1934

Line to the east passes over rim of sandstone ledges and domes over which it is impracticable to chain.

80.00 True point for standard cor. of secs. 35 and 36 falls in inaccessible sandstone domes and ledges, where it is impracticable to establish cor. monument.

Land, broken mesa desert, mostly inaccessible sandstone

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.17 E.

Chains

domes and ledges; general S. drainage.
Soil, shallow sandy loam in pockets and canyons, 2nd re-
mainder surface rock, 4th rate.
Timber, scrub juniper and pinon.
Undergrowth, mountain rush, bunch grass, service berry
and silver leaf.
Fair grazing land in canyon bottoms, balance too rugged
for grazing.

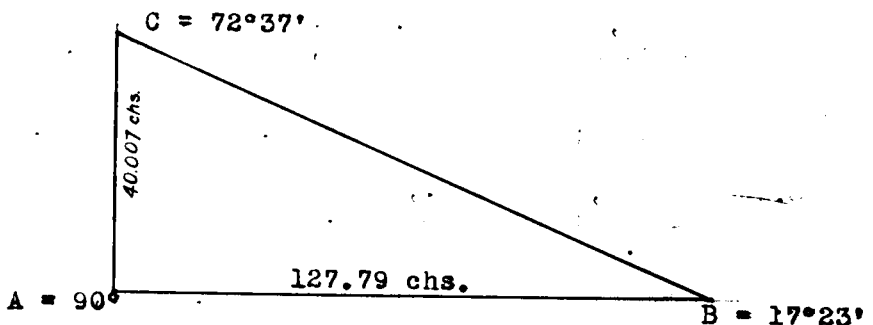
East, along the S. bdy. of sec. 36, on a transit line
describing the tangent, which bears S.89°56.6'E.

Over inaccessible sandstone domes and ledges through
scrub timber and scattering undergrowth,

In order to determine by triangulation the distance
across impassable slopes and ledges I return to the 9.62
chs. point on tangent line along S. bdy. sec. 35, which
I designate A, and set flag B on the tangent to the east;
point C is taken northerly from A; the distance from A to C
40.007 chs. by two sets of chainmen.

Difference bet. measurements of 40.007 chs. by two sets
of chainmen is nothing.

Vertical angle from A to B is +2°.



All angles by 3 repetitions balanced to 180° as follows:

At point A,	90°00'
At point B,	17°23'
At point C,	72°37'

Distance on tangent line	9.62 chs.
Distance by triangulation	127.79 "
	<u>137.41</u> "
Distance to true point for stan. cor. secs. 35 and 36	80.00 "
	<u>57.41</u> "
Distance by return measurement	43.41 "
	<u>14.00</u> "

Difference of measurement by two sets of chainmen is
nothing.

14.00 Wash in canyon, drains S.; ascend.

14.59 North 21 lks. from the tangent.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the
ground with a sandstone 10x6x2 ins., marked X, deposited
at the base for the standard witness cor. of secs. 35
and 36, with brass cap marked

SC	
T30S	R17E
S35	S36
WC	
1934	

from which

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.17 E.

Chains

A juniper, 6 ins. diam., bears N.21°E., 130 lks.
dist., marked W C B T only

No other suitable accessories.

This point was the nearest available place to true cor.
point where it was practicable to set witness cor.

Descend over sandstone domes and ledges.

37.60 Draw, drains SW.; ascend W. slope 90 ft. over broken
sandstone ledges to 57.41 chs.

Difference bet. measurements of 40.00 chs., by two sets
of chainmen is nothing.

40.00 North 24 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
ground to solid sandstone and in a mound of stone to top
for the standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S 36

1934

from which

A juniper, 3 ins. diam., bears N.53°E., 55 lks.
dist., marked B T only.

A pinon, 3 ins. diam., bears N.48 $\frac{1}{2}$ °W., 40 lks.
dist., marked B T only.

Corner sets at head of draw, draining SW.; ascend over
broken sandstone domes and ledges 400 ft.

57.41 Sandstone ridge, bears N. and S., also point B. of
triangulation; descend 25 ft.

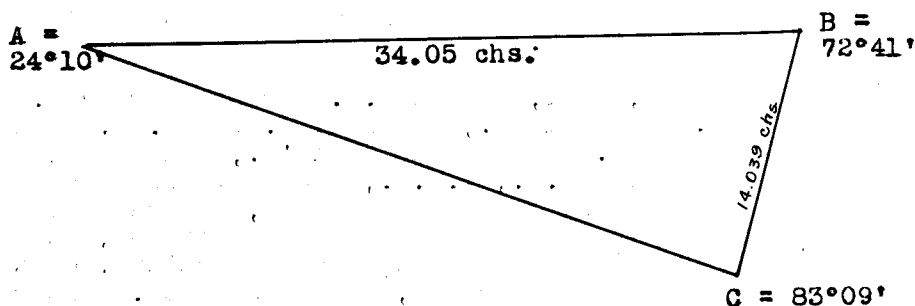
Difference bet. measurements of 64.35 chs., by two sets
of chainmen is nothing.

64.35 North 26 lks. from the tangent.

In order to determine by triangulation the distance
across impassable ledges, I use this station on the
tangent as point A, and set a flag B on the tangent
to the east; point C is taken southwesterly from point
B; the mean distance from B to C is 14.039 chs.

Difference bet. measurements of 14.039 chs., by two sets
of chainmen is nothing.

The vertical angle from A to B is -13 $\frac{1}{4}$ °.



**6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.17 E.**

Chains

All angles by 3 repetitions balance to 180° as follows:

At point A, 24°10'
At point B, 72°41'
At point C, 83°09'

Distance on tangent line	64.35
Distance by triangulation	<u>34.05</u>
	98.40
Distance by return measurement	<u>15.50</u>
	82.90

Descend over inaccessible ledges 230 ft.

80.00 True point for standard cor. of Tps. 30 S., Rs. 17 and 18 E., falls in inaccessible ledges, where it is impracticable to establish cor. monuments.

82.90 North 28 lks. from the tangent.
3 ins. diam.,
Set an iron post, 3 ft. long, on solid rock over a chiseled X, and in a mound of stone to top for the witness standard cor. of Tps. 30 S., Rs. 17 and 18 E., with brass cap marked

SC	
T30S	
R17E	R18E
S36	S31
WC	
1934	

from which

A juniper, 3 ins. diam., bears N.6°W., 39 lks. dist., marked W C B T only.

No other suitable accessories.

Land, broken mesa desert, inaccessible sandstone ledges. Soil, shallow sandy loam in pockets and canyons, 2nd rate. surface rock slopes and domes, 4th rate. Timber, scrub juniper and pinon. Undergrowth, mountain rush, service berry and bunch grass. Fair grazing land in canyons; none on slopes or tops due to inaccessibility.

**6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T.30 S., R.18 E.**

East, along the S. bdy. of sec. 31, T.30 S., R.18 E., on transit line describing a continuation of the tangent line from the west, which bears S.89°55.9'E.

Descend 15 ft. over impassable ledges.

Difference bet. measurements of 2.90 chs., by two sets of chainmen is nothing by return measurement from triangulation point B.

May 22, 1934, at the W.C. for standard cor. of Tps. 30 S. Rs. 17 and 18 E., which is 2.90 chs. E. of true point for said cor. in latitude 38°10'N., and longitude 110°03'W., at 3h 44m a.m., l.m.t., I observe Polaris at E. elongation making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg driven firmly in the ground, 6 chains north. After sunrise I lay off the azimuth of Polaris, 1°20' to the west, and

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T. 30 S., R. 18 E.

Chains

Mark the meridian thus determined by a tack in a peg driven firmly in the ground 6 chs. N. From this meridian, I deflect an angle of 90° to the right.

Thence

East, with the establishment of the sixth standard parallel south, along the S. bdy. of sec. 31, on a transit line describing the tangent, with distances counted from true point for standard cor. of Tp. 30 S., Rs. 17 and 18 E.

2.90 The witness cor. to Stan. cor. of Tp. 30 S., Rs. 17 and 18 E.

Descend broken E. slope 130 ft. to 17.60 chs.

8.40 Entering scattering timber and undergrowth.

17.60 Bottom of canyon, drains S.; ascend 95 ft. over W. slope of canyon bottom and draw drain from E. to 33.26 chs.

18.30 Trail, bears N. and S.

18.40 Point B. of triangulation from the west, which is also used as point A of triangulation to the east.

Difference bet. measurements of 33.26 chs. by two sets of chainmen is nothing.

33.26 On the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground with a sandstone 8x4x3 ins., marked X, deposited at the base, for the witness standard $\frac{1}{2}$ sec. cor., with brass cap marked

$$\begin{array}{r} \text{SC} \\ \frac{1}{2} \text{ S } 31 \\ \hline \text{WC} \\ 1934 \end{array}$$

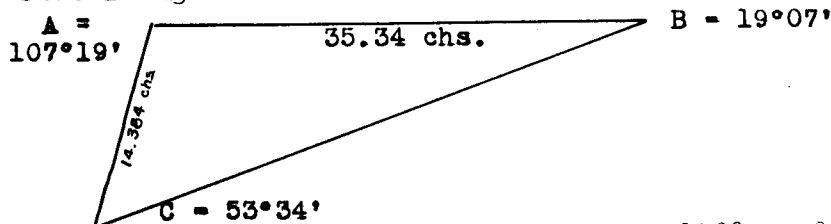
raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Line to the east passes over inaccessible ledges.

In order to determine by triangulation distance across inaccessible ledges to the east, I designate flag at 18.40 chs. as point A. and set a flag B on the tangent to the east; point C is taken southwesterly from point A; the mean distance from A to C is 14.384 chs.

Difference bet. measurements of 14.384 chs., by two sets of chainmen is nothing.

The vertical angle from A to B is +12°



All angles by three repetitions, balances to 180° as follows:

At point A, 107°19'
At point B, 19°07'
At point C, 53°34'

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T. 30 S., R. 18 E.

Chains	Distance on tangent line	18.40 chs.															
	Distance by triangulation	55.34 chs.															
		53.74 chs.															
40.00	True point for standard $\frac{1}{4}$ sec. cor., falls in inaccessible sandstone domes and ledges, where it is impracticable to establish cor. monument.																
53.74	Point B of triangulation and E. rim of canyon with sandstone ledges, bears N. and S., 395 ft. above standard witness $\frac{1}{4}$ sec. cor.; ascend 170 ft. to true point for standard sec. cor.																
	Difference bet. measurements of 79.74 chs., by two sets of chainmen is 2 lks., position of middle point																
	By 1st set, 79.73 chs.,																
	By 2nd set, 79.75 chs., the mean of which																
79.74	North 1 lk. from the tangent.																
	Set an iron post, 3 ft. long, 2 ins. diam., on solid rock over a chiseled X, and in a mound of stone to top, for standard witness cor. of secs. 31 and 32, with brass cap marked																
	<table> <tr> <td></td><td>SC</td><td></td></tr> <tr> <td>T30S</td><td> </td><td>R18E</td></tr> <tr> <td>S31</td><td> </td><td>S32</td></tr> <tr> <td colspan="3"><hr/></td></tr> <tr> <td></td><td>WC</td><td></td></tr> </table>			SC		T30S		R18E	S31		S32	<hr/>				WC	
	SC																
T30S		R18E															
S31		S32															
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	WC																
	1934																
	from which																
	A pinon, 3 ins. diam., bears N. $52\frac{3}{4}^{\circ}$ E., 37 lks. dist., marked W C B T only.																
	A pinon, 3 ins. diam., bears N. 56° W., 22 lks. dist., marked W C B T only.																
	Difference bet. measurements of 80.00 chs., by two sets of chainmen is 2 lks., position of middle point																
	By 1st set, 79.99 chs.,																
	By 2nd set, 80.01 chs., the mean of which is																
80.00	North 1 lk. from the tangent.																
	True point for standard cor. of secs. 31 and 32, falls on sloping face of sandstone ledge, where it is impracticable to set cor. monument, mark point with X.																
	Land, rugged broken mesa desert; general SW. drainage. Soil, shallow sandy loam in pockets, 2nd rate; surface rock slopes and tops, 4th rate. Timber, scrub pinon and junipers. Undergrowth, black brush, mountain rush, service berry, bunch grass and silver leaf. Grazing, mostly inaccessible on account of rough terrain.																
	East, along the S. bdy. of sec. 32, on a transit line describing the tangent which bears S. $89^{\circ}59.3'E$.																
	Over broken sandstone ledges through scattering pinon and juniper; ascend SW. slope 20 ft.																

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T. 30 S., R. 18 E.

Chains

2.05 Sandstone ridge, bears NW. and SE.; descend E. slope 75 ft.

Line to east passes over impassable ledges, over which I am unable to extend line.

12.33 In order to determine the distance on line over inaccessible sandstone ledges, I traverse as follows:

N. 76°45' E.,	24.46 chs.
S. 21°30' E.	6.03 chs

Difference bet. measurements of 30.49 chs., on traverse by two sets of chainmen is nothing.

38.35 Point on tangent line, 2 lks. north of which

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground with a sandstone 7x4x4 ins., marked X, deposited at the base, for the standard witness $\frac{1}{4}$ sec. cor., with brass cap marked

SC
$\frac{1}{4}$ S 32
WC
1934

raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Ascend over inaccessible ledges and domes.

40.00 True point for standard $\frac{1}{4}$ sec. cor. falls among domes and ledges, where it is impracticable to establish cor. monument.

In order to determine the distance on line over inaccessible sandstone domes and ledges, I traverse as follows from 38.35 chs. point

N. 21°30' W.	6.03 chs.
N. 76°45' E.	24.88 chs.
N. 79°30' E.	27.07 chs.
N. 83°45' E.	5.88 chs.
S. 82°45' E.	3.10 chs.
S. 33°15' E.	17.57 chs.
S. 13°00' E.	2.12 chs.
S. 73°00' W.	3.30 chs.
S. 81°45' W.	16.04 chs.
N. 63°00' W.	7.83 chs. to tangent line

Distance on tangent line	38.35 chs.
Easting by traverse	41.65 chs.
	80.00 chs.

Difference bet. measurements of 80.00 chs. by two sets of chainmen is nothing.

80.00 North 3 lks. from the tangent.

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid sandstone with a sandstone 6x4x4 ins., marked X, deposited at base and in a mound of stone, to top for the standard cor. of secs. 32 and 33, with brass cap marked.

SC
T30S R18E
S32 S33
1934

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T. 30 S. R. 18 E.

Chains

No suitable accessories.

Cor. sets at base of E. end of spur and at head of draw, draining SE., 225 ft. below standard witness $\frac{1}{4}$ sec. cor.

Land, mostly inaccessible broken mesa; general SW. drain age.

Soil, pockets of sandy loam, 2nd rate; remainder mostly rocky, 4th rate.

Timber, scrub pinon and juniper.

Undergrowth, black brush, mountain rush, service berry, bunch grass and silver leaf.

Grazing, poor on account of rough inaccessible nature of terrain.

East, along the S. bdy. of sec. 33, on a transit line describing the tangent, which bears S.89°58.6'E.

Over broken mesa land through scattering timber and undergrowth; descend 75 ft. to standard $\frac{1}{4}$ sec. cor.

26.00 Descend E. slope.

Difference bet. measurements of 40.00 chs., by two sets of chainmen is nothing.

40.00 North 5 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in diam., 6 ins. in the ground to solid rock and in a mound of stone, for the standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S 33
1934

from which

A scrub juniper, 3 ins. diam., bears N. 72°E., 116 lks. dist., marked B T only.

A scrub juniper, 3 ins. diam., bears N.38 3/4°W., 135 lks. dist., marked B T only.

Descend 25 ft. to draw.

41.00 Trail, bears N. to Colorado River and S. to Flint Cabin.

44.30 Draw, drains S.; ascend SW. slope 30 ft.

50.00 Spur, projects S.; descend SE. slope 130 ft. to 57.65 chs.

50.80 West rim of draw, bears NE. and SW.

57.65 Draw, drains S., ascend abrupt broken W. slope 125 ft.

63.40 East rim of draw, bears N. and S.; descend E. slope 405 ft. to 80.00 chs.

Difference bet. measurements of 79.80 chs., by two sets of chainmen is 1 lk., position of middle point

By 1st set, 79.795 chs.

By 2nd set, 79.805 chs., the mean of which is

79.80 North 7 lks. from the tangent.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T. 30 S., R. 18 E.

Chains

Set an iron post, 3 ft. long, 2 ins. diam., 23 ins. in the ground to solid rock with a sandstone 8x4x2 ins., marked X, deposited at the base and in a mound of stone to top, for the standard witness cor. of secs. 33 and 34, with brass cap marked

		SC
T30S		R18E
S33		S34
		WC
1934		

No other suitable accessories available.

80.00 True point for standard cor. of secs. 33 and 34, falls on large sloping sand rock, where it is impracticable to set cor.

Land, broken mesa desert; general S. drainage.
Soil, loose shallow sand, 2nd rate.
Timber, scrub pinon and juniper.
Undergrowth, bunch grass, weeds, black brush, and silver leaf.
Good grazing land.

East, along the S. bdy. of sec. 34, on a transit line describing the tangent which bears S. 89°58' E.

Over broken mesa desert through scattering timber and undergrowth; descend abrupt E. slope over surface rock 50 ft. to

6.90 Draw, drains S.; ascend 120 ft.

11.65 Top of sandstone dome on ridge, bears N. and S., ascend W. slope 110 ft. to standard $\frac{1}{4}$ sec. cor.

18.05 Small draw, drains SW.

Difference bet. measurements of 40.00 chs., by two sets of chainmen is nothing.

40.00 North 10 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid sandstone with a sandstone 5x4x3 ins., mkd. X, deposited at base, and in a mound of stone, for the standard $\frac{1}{4}$ sec. cor., with brass cap marked

		SC
$\frac{1}{4}$ S		34
1934		

No other suitable accessories available.

41.37 North 10 lks. from the tangent.

Set an iron post, 3 ft. long 2 ins. diam., on solid sandstone, over a chiseled X, and in a mound of stone to top for a witness point, with brass cap marked

WP .
1934

Corner stands on W. rim of Colorado River about 400 ft. to 500 ft. above water's edge, bears N. and S.

6TH STANDARD PARALLEL SOUTH
SOUTH BOUNDARY, T. 30 S., R. 18 E.

Chains

I discontinue line at this point.

Land, broken mesa desert; general S. drainage.

Soil, loose shallow sand, 2nd rate.

Timber, scrub pinon and juniper.

Undergrowth, bunch grass, black brush, mountain rush, silver leaf, choke cherry and whimp brush.

Good grazing land.

GENERAL DESCRIPTION

The survey of the sixth standard parallel south as incorporated in these field notes extends along parallel of latitude $38^{\circ}10'N.$, from $110^{\circ}35'$ to $109^{\circ}59'$ of west longitude. The general elevation along this parallel ranges from about 4000 to 6500 ft. above sea level. The higher elevations consist of sandstone outcroppings with many vertical ledges and precipitous talus slopes contiguous to the water-courses. Sharp vertical rims are found along practically all the draws and canyons. The bottoms are generally narrow and sandy with an intermixture of decomposed sandstone and gravel.

Most of the uplands are rocky with occasional pockets of sandy loam, while the soil of the lower elevations are stony and gravelly on the benches, becoming gravelly and sandy in bottoms of the drainage channels.

The terrain as a whole may be classed as a barren broken mesa desert waste.

There is generally a scattering stand of juniper and pinon in the upper reaches of the mountainous sections. The predominating kinds of undergrowth are black brush, coose, bunch grass and shadscale, with a scattering growth of gramma grass, mountain rush, oakbrush, rabbit brush, mesquite and torch weed.

With the exception of occasional seeps of water in some of the canyons, there are no running streams of water along the entire length of the parallel.

There are no settlers in the near vicinity of the survey.

The country traversed by the parallel is unfit for any kind of profitable pursuit except stockraising. Good winter range is found for sheep, while cattle graze the land throughout the entire year.

No mineral of value has been discovered. Much development work has been carried on in recent years in attempting to bring in oil in paying quantities, but to date none of the wells have been profitable.

No magnetic declination taken on account of defective needle.

CERTIFICATE OF UNITED STATES SURVEYOR

I, Chas. F. Moore, U. S. Surveyor, HEREBY CERTIFY upon honor
pursuance of special instructions bearing date of the 31st. day of August, 1928,
Supplemental Special Instructions dated 28th. day of April, 1934,
received from the district cadastral engineer for Utah, with ass
instructions dated April 23, 1934, I have surveyed the Sixth Standard Parallel
South, along the S. Bdy. of T. 30 S., through portion of R. 13 E.
and through Rs. 14, 15, 16, 17, and portion of 18 E.

of the Salt Lake Meridian, in the State of Utah, wh
represented in the foregoing field notes as having been executed by me and under my direction; and the
survey has been made in strict conformity with said instructions, the Manual of Instructions for the S
of the Public Lands of the United States, and in the specific manner described in the foregoing field not

Certified at Salt Lake City, Utah,
March 15, 1935

Chas. F. Moore
U. S. Surveyor

CERTIFICATE OF APPROVAL

OFFICE OF U.S. SUPERVISOR OF SURVEYS,
Denver, Colorado, JUN 17 1935, 19

The foregoing field notes of the survey of the Sixth Standard Parallel South, al
the S. Bdy. of T. 30 S., through portion of R. 13 E., and through
Rs. 14, 15, 16, 17, and portion of 18 E.

executed by Chas. F. Moore, U. S. Surveyor, under Special Instructions
dated August 31, 1928, and Supplemental Special Instructions
~~under special instructions~~ dated April 28, 1934, and assignm
instructions dated April 23, 1934, having been critically examined,
the necessary corrections made prior to their certification by the engineer, the said field notes, and the sur
therein described, are hereby approved.

U.S. Supervisor of Surveys

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
is a true copy of the original field notes on file in the public survey office.

U.S. Supervisor of Surveys

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Page

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

BOOK A-516

B

FIELD NOTES

OF THE

DEPENDENT AND INDEPENDENT RESURVEY OF THE NORTH BOUNDARY,

SURVEY OF PORTION OF THE SOUTH BOUNDARY,

AND SURVEY OF THE EAST BOUNDARY,

AND THE SUBDIVISION

OF

T. 27 S., R. 5 E.

Of the SALT LAKE Meridian,

the State of UTAH

EXECUTED BY

ELLIOT BIRD, CADASTRAL ENGINEER

ALVYN C. ALBERGA, PUBLIC LAND SURVEYOR

per special instructions dated MAY 31, 1932, which provided

the surveys included under Group No. 230, bearing the approval of the

Commissioner of the General Land Office under date of JULY 22, 1932

Supplemental assignment instructions dated MAY 1, 1939

Survey commenced MAY 15, 1939

Survey completed JULY 15, 1939

204 A-516

INDEX DIAGRAM.

Township 27 South, **Range** 5 East

[illegible]

Chains

The survey of T. 27 S., R. 5 E., Salt Lake Meridian, Utah, was commenced May 15, 1939, and executed with Buff and Buff transits Nos. 18003, used by Elliot Bird, Cadastral Engineer, and No. 16725, used by Alwyn C. Alberga, Public Land Surveyor. The instruments are equipped with Smith solar attachments and full vertical circles. The horizontal limbs are provided with double verniers placed opposite to each other, and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circles. The instruments were approved for use on this survey, conditional upon satisfactory field tests, by the district cadastral engineer for Utah, in supplemental assignment instructions dated May 1, 1939.

During the progress of this survey the solar attachments were not used, and all lines of the survey were projected forward from fore and back sights, from true meridians determined by observations made upon Polaris during the progress of the survey, three of which appear in this record.

The measurements were made with Lallie steel ribbon tapes, 5 chains in length, compared with a Lufkin standard steel tape, 1 chain in length, and found correct. The measurements were made on the slope, the vertical angle determined with clinometers, and the slope measurements properly reduced to true horizontal distances.

PORTION OF SOUTH BOUNDARY, T. 27 S., R. 5 E.

May 17, 1939: stationed at the $\frac{1}{4}$ sec. cor. secs. 2 and 35, on the south boundary of T. 27 S., R. 5 E., in approximate latitude $38^{\circ}24'N.$, longitude $111^{\circ}20'W.$, at 2h 38.3m p.m. by our watches, which carry correct 105th Meridian standard time, with instrument No. 18003, we make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a point on a ledge about 40 chains east in a counter clockwise direction to the star.

Local mean time of observation, - - - - - 2h 13.0m p.m.
 Mean horizontal deflection angle from
 point on ledge to star, - - - - - $91^{\circ} 10'$
 Azimuth of Polaris, - - - - - $1^{\circ} 10'$ West.
 True bearing to point on ledge, - - - - - East.

Thence

From the above corner, which is an iron post, 1 in. diam., set, marked and witnessed as described in the official record of the survey of T. 28 S., R. 5 E., Group 76, Utah.

East, between secs. 2 and 35.

Ascend gradually along steep ledgy N. slope of the broken south breaks of Deep Creek Canyon, through medium dense timber and scattered undergrowth.

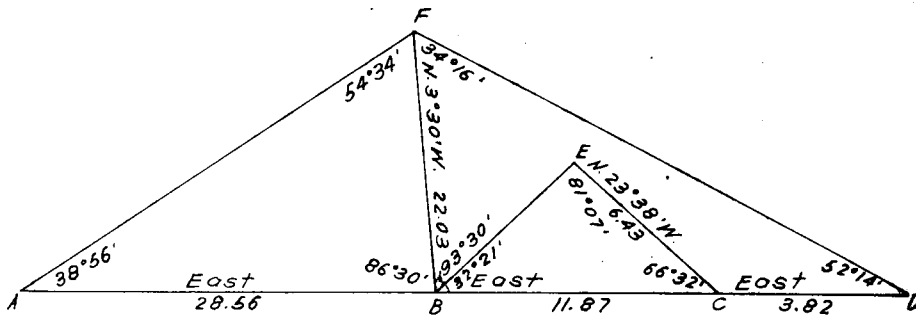
7.01 Leave flag point.

10.00 Top of ascent, 50 ft. above corner, bears N. and S. The line E. from this point crosses high vertical ledges, forming the N. and S. breaks of Deep Creek Canyon, over which I am unable to chain, I therefore determine the distance by triangulation, as follows: Erect flag A at the 7.01 chains point, and flags B, C, and D, on line E. From B, triangulate base line BF $N.3^{\circ}30'W.$ 22.03 chains.

PORTION OF SOUTH BOUNDARY, T. 27 S., R. 5 E.

Chains

distant. From C measure base line CE N.83°28'W. 6.43 ch distant. From C measure line CD East 3.82 chains distant. All measured distances are double chained, and the following angles are checked by repetition.
In triangle BCE angle B is 32°21', C is 66°32', and E is 81°07'.
In triangle BFD angle B is 93°30', D is 52°14', and F is 34°16'.
In triangle ABF angle A is 38°56', B is 86°30', and F is 54°34'.
The vertical angle from A. to B is plus 9°00'.
No difference in elevation from B to C and C to D.



Distance on line, - - - - -	7.01 chs.
Distance by triangulation A to B	<u>28.56</u> chs.
Distance to point B of triangulation - -	<u>35.57</u> chs.
Distance by triangulation B. to C.	<u>11.87</u> chs.
Distance on line to flag C - - - - -	<u>47.44</u> chs.
Distance measured from C to D - - - - -	<u>3.82</u> chs,
Distance on line to flag D - - - - -	<u>51.26</u> chs.

25.00 Approximate distance; bottom of dry channel of Deep Creek Canyon, 360 feet below the 1/4 sec. cor., drains SE.; ascend nearly vertical E. breaks of canyon.

35.57 To point B of triangulation, at top of S. end of high sandstone point, 660 ft. above bottom of canyon; mark a cross X on the surface rock, over which

Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone to top, for witness cor. to the cor. of secs. 1, 2, 35, and 36, with brass cap marked

T27S	R5E
S35	S36
S2	S1
T28S	
1939	WC

40.00 True point for cor. falls on high vertical S. face of breaks of Deep Creek Canyon, where it is impossible to reach the cor. point.

Land, nearly inaccessible breaks of Deep Creek Canyon. Soil, shallow, loose sand in the depressions of the ledges and surface rock; 4th rate. Undergrowth, very scattered sage and black brush, mountain rush, weeds and grass. Timber, scrub juniper and pinon. Land, inaccessible to grazing.

East, between secs. 1 and 36, counting distance from the true point for the cor. of secs. 1, 2, 35, and 36.

PORTION OF SOUTH BOUNDARY, T. 27 S., R. 5 E.

Chains

By triangulation as shown on line between secs. 2 and 35, over vertical wall of N. breaks of Deep Creek Canyon.

7.44 To point C. of triangulation on rim of cove in breaks of canyon, bears N.30°W. and S.30°E.; thence along top of N. rim of breaks, through scattered undergrowth and timber.

11.26 To point D. of triangulation as shown on line between secs. 2 and 35; descend steep ledgy E. slope.

15.20 Head of sandstone gorge, 110 ft. below rim, drains S.; ascend steep, rocky SW. slope.

23.40 Low saddle in divide reef, bears N.60°W. and S.60°E.; ascend broken NW. slope.

40.00 On top of spur, 110 ft. above bottom of gorge, projects NE.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S36
S1
1939

deposit a sandstone, 12x10x10 ins., at base of post, marked X.

Thence descend gradually over broken NE. slope.

80.00 On broken NE. slope, 90 ft. below the $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 3 ins. diam., 10 ins. in the ground to solid rock, and in a large mound of stone to top, for cor. of Ts. 27 and 28 S., Rs. 5 and 6 E., with brass cap marked

T27S
R5E R6E
S36 S31
S1 S6
T28S
1939

from which

A pinon, 12 ins. diam., bears S.22°E., 154 lks. dist., marked T28S R6E S6 BT

A pinon, 8 ins. diam., bears S.4°W., 58 lks. dist., marked T28S R5E S1 BT

No other bearing trees available.

Land, broken sandstone ledges and surface rock.
Soil, shallow, loose sand and clay; 4th rate.
Undergrowth, sage and black brush, shadscale, mountain rush, weeds and grass.
Timber, scrub juniper and pinon.
Poor grazing land.

EAST BOUNDARY OF T. 27 S., R. 5 E.

From the cor. of Ts. 27 and 28 S., Rs. 5 and 6 E., heretofore described.

EAST BOUNDARY OF T. 27 S., R. 5 E.

Chains

North, between secs. 31 and 36.
Descend general NE. slope, of broken land, over series of small spurs and gulches, projecting and grading northeasterly, through scattered timber and undergrowth.

25.00 Boxed gulch, 350 ft. below cor., drains NE.; ascend steep, rocky SE. slope.

32.30 Rocky spur, 150 ft. above gulch, projects N.80°E.; descend gradual N. slope.

39.00 On top of S. rim of boxed gulch, 110 ft. below spur, bears N.80°E and S.80°W.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 31 and 36, with brass cap marked

W C
1
S36 | S31
1939

of stone, 3 ft. base, 2 ft. high, W. of cor. raise a mound

39.70 Bottom of boxed gulch, 80 ft. below top of S. rim, drains N.80°E.; ascend nearly vertical N. rim of gulch.

40.00 True point for the $\frac{1}{4}$ sec. cor., falls on nearly vertical N. wall of gulch, where it is impracticable to reach the true point for cor.

41.00 Top of N. rim of gulch, 70 ft. above bottom, bears N.80°E. and S.80°W.; continue over broken general N. slope.

78.75 On top of S. rim of gulch, 80 ft. below the witness cor. to the $\frac{1}{4}$ sec. cor., bears N.80°E. and S.80°W.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for witness cor. to the cor. of secs. 25, 30, 31, and 36, with brass cap marked

WC
T27S
R5E | R6E
S25 | S30
S36 | S31

1939

of stone, 3 ft. base, 2 ft. high, W. of cor. raise a mound

80.00 True point for the cor. of secs. 25, 30, 31, and 36, falls in bottom of boxed gulch, 280 ft. below the witness cor. to the $\frac{1}{4}$ sec. cor., drains N.80°E., where it is impracticable to set a permanent cor.

Land, broken.

Soil, deep and shallow clay and sand; 5th rate.

Undergrowth, shadscale, silver leaf, mountain rush, and weeds.

Timber, scrub juniper and pinon.

Poor grazing land.

EAST BOUNDARY OF T. 27 S., R. 5 E.

Chains

From the true point for the cor. of secs. 25, 30, 31, and 36.

North, between secs. 25 and 30.

Ascend nearly vertical S. walls of gulch, through scattered timber and undergrowth.

4.50 Rocky spur, 210 ft. above bottom of gulch, slopes NE.; descend broken NE. slope.

18.50 Gulch, 180 ft. below spur, drains E.; ascend steep S. slope.

21.00 Spur, 110 ft. above bottom of gulch, projects E. about 8.00 chs. dist., to end; descend rocky NE. slope.

28.80 Rocky draw, 160 ft. below spur, drains SE. from the W.; ascend gradual SE. slope of rolling land.

35.00 Top of ascent on E. slope of knoll of black porphyry formation, 50 ft. above draw; descend gradual NE. slope.

40.00 On gradual NE. slope, 40 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S25 | S30
1939

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Thence over rolling land.

44.40 Wash, 30 lks. wide, 4 ft. deep, drains S. 80° E.

46.70 Wash, 15 lks. wide, 3 ft. deep, drains SE. 2.50 chs. dist., to junction with last wash; ascend broken SW. slope.

59.60 Top of low ridge, 50 ft. above the $\frac{1}{4}$ sec. cor., bears E. and W.; descend rolling N. slope.

68.80 Small elongated knoll, 40 ft. high, bears E. and W.

73.70 Base of descent, 100 ft. below ridge, bears E. and W.; thence over level bottom lands of Polk Creek.

80.00 On nearly level land.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 19, 24, 25, and 30, with brass cap marked

T27S
R5E | R6E
S24 | S19
S25 | S30
1939

raise a mound of stone, 3 ft. base, 2 ft. high, West of the cor.

Land, broken and rolling.

Soil, shallow sand, and clay, with a rocky surface; 4th rate.

Undergrowth, shadscale, sagebrush, mountain rush and weeds.

EAST BOUNDARY OF T. 29 S., R. 5 E.

Chains

Timber; scattered scrub juniper and pinon.
Fair grazing land.

North, between secs. 19 and 24.

Over level bottom lands of Polk Creek, through scattered undergrowth.

0.18 Leave flag point.

16.00 Dry channel of Polk Creek, 80 lks. wide, 4 ft. deep, drains E.

30.00 Base of abrupt ascent, over broken S. breaks of high reef, bears E. and W.

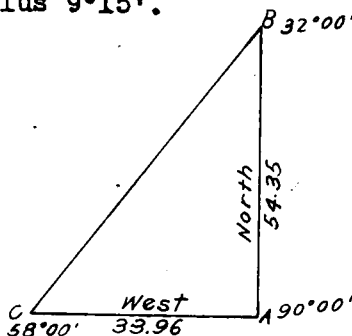
38.70 On broken S. face of reef, 100 ft. above channel of Polk Creek.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 19 and 24, with brass cap marked

W C
S24 S19
1939

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

40.00 The true point for the $\frac{1}{4}$ sec. cor. falls in inaccessible S. face of reef, where it is impossible to reach the cor. point. It being impossible to chain N. from the witness cor. to the $\frac{1}{4}$ sec. cor., I determine the distance by triangulation, as follows: Erect flag A at the 0.18 chs. point, and flag B on line N. From A measure base line AC West 33.96 chs. dist. Base line double chained and the following angles checked by repetition. Angle A is $90^{\circ}00'$, B is $32^{\circ}00'$, and C is $58^{\circ}00'$. The vertical angle from A to B is plus $9^{\circ}15'$.



Distance on line, - - - - - 0.18 chs.
Distance by triangulation - - - - - 54.35 chs.
54.53 chs.

54.53 To point B of triangulation at top of reef, 500 ft. above the witness cor. to the $\frac{1}{4}$ sec. cor., bears NW. and SE.; thence descend gradual NE. slope of broken land, through scattered scrub timber.

77.60 Small rocky draw, 100 ft. below top of reef, drains E. and heads W. about 15.00 chs. dist.; ascend gradual SE. slope.

80.00 On gradual SE. slope, 30 ft. above draw.

EAST BOUNDARY OF T. 29 S., R. 5 E.

Chains

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock, and in a large mound of stone to top, for cor. of secs. 13, 18, 19, and 24, with brass cap marked

T27S	
R5E	R6E
S13	S18
<hr/>	
S24	S19

1939

deposit a sandstone, 10x10x8 ins., at base of post, marked X.

Land, broken and rolling.

Soil, shallow and deep sand and clay, with a rocky surface; 4th rate.

Undergrowth, shadscale, sagebrush, weeds and grass.

Timber, a few scattered scrub juniper and pinon on N. portion of mile.

Fair grazing land.

North, between secs. 13 and 18.

Ascend gradual SE. slope of broken land, through scattered undergrowth.

10.00 Low spur, projects N.30°E.; descend gradual NW. slope.

37.00 Draw, 220 ft. below spur, drains NE.; thence over nearly level land.

40.00 On nearly level land.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	
S13	S18
<hr/>	
1939	

From which

A scrubby juniper, 12 ins. diam., bears N.43°E., 81 lks. dist., marked $\frac{1}{4}$ S18 BT

A scrubby juniper, 12 ins. diam., bears N.69°W., 38 lks. dist., marked $\frac{1}{4}$ S13 BT

43.00 Base of abrupt ascent, over steep ledgy S. slope of spur, bears E. and W.

52.50 Top of spur, and S. rim of Heartnet Draw, 170 ft. above the $\frac{1}{4}$ sec. cor., projects E. about 20 chains dist. to end; descend abrupt N. slope.

64.80 Heartnet Draw, 140 ft. below spur, drains S.70°E.; ascend steep, rocky S. slope.

70.00 Top of S. rim of bench, and N. breaks of Heartnet Draw, 110 ft. above bottom, bears N.70°W. and S.70°E.; thence over broken top of bench land.

80.00 On broken top of bench land, 40 ft. above rim.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock, and in a large mound of stone to top, for cor. of secs. 7, 12, 13, and 18, with brass cap marked

EAST BOUNDARY OF T. 27 S., R. 5 E.

Chains

unless

T27S	
R5E	R6E
S12	S7
S13	S18

1939

from which

A pinon, 10 ins. diam., bears S.56°W., 172 lks.
dist., marked BT. Tree too scrubby for other marks

A juniper, 12 ins. diam., bears N.12°W., 33 lks.
dist., marked BT, Tree too scrubby for other marks

No other suitable bearing trees available.

Land, broken and rolling.

Soil deep and shallow, loose sand and clay; 4th rate.

Undergrowth, sagebrush, shadscale, mountain rush,
cactus and weeds.

Timber, scrub juniper and pinon.

Poor grazing land.

North, between secs. 7 and 12.

Across broken top of rocky bench, through scattered
timber and undergrowth.

25.60 Top of N. rim of bench, bears E. and NW.; descend steep
N. slope.

34.00 Rocky draw, 90 ft. below rim, drains E.; ascend steep
S. slope.

40.00 On steep, rocky S. slope, 70 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in
the ground to solid rock, and in a large mound of stone
to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

↑
S12 | S7
1939

from which

A pinon, 10 ins. diam., bears N.85°E., 12 lks.
dist., marked $\frac{1}{4}$ S7 BT

A pinon, 12 ins. diam., bears N.9°45'W., 212 lks.
dist., marked $\frac{1}{4}$ S12 BT

52.20 Top of sandstone rim, 120 ft. above the $\frac{1}{4}$ sec. cor.;
bears E. and W.; descend broken N. slope.

77.00 Rocky draw, 100 ft. below rim, drains E.;
ascend broken SW. slope.

80.00 On broken SW. slope, 40 ft. above draw, between two
large boulders.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in
ground to solid rock, and in a large mound of stone to
top, for cor. of secs. 1, 6, 7, and 12, with brass cap
marked

EAST BOUNDARY OF T. 27 S., R. 5 E.

Chains

T27S	
R5E	R6E
S1	S6
S12	S7

1939

deposit a sandstone, 12x9x9 ins., at base of post, marked X.

Land, broken.

Soil, shallow sand and clay, with a rocky surface; 4th rate.

Undergrowth, shadscale, sagebrush, mountain rush, weeds and grass.

Timber, scrub juniper and pinon.

Fair grazing land.

North, between secs. 1 and 6.

Ascend broken SW. slope, through scattered timber and undergrowth.

16.60 Spur, 160 ft. above cor., projects E. from N.20°W.; descend NE. slope.

28.00 Draw, 80 ft. below spur, drains S.20°E.; ascend SW. slope.

40.00 On SW. slope, 50 ft. above draw.

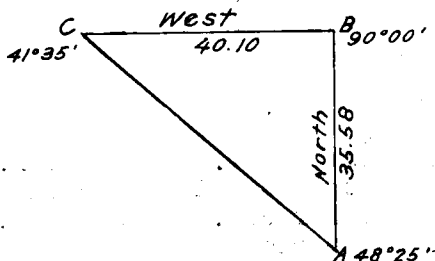
Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S1|S6
1939

A pinon, 10 ins. diam., bears N.13°30'E., 97 lks. dist., marked $\frac{1}{4}$ S6 BT from which

A pinon, 12 ins. diam., bears S.27°W., 150 lks. dist., marked $\frac{1}{4}$ S1 BT

48.48 Top of high reef, facing NW., 80 ft. above the $\frac{1}{4}$ sec. cor., bears E. and W. The line to the N. of this point descends over high vertical sandstone ledges, over which it is impossible to chain, I therefore determine the distance by triangulation, as follows: Erect flag A at this point, and flag B on line N. From B survey base line BC West 40.10 chains distant. Base line double chained and the following angles checked by repetition. Angle A is 48° 25', B is 90°00', and C is 41°35'. The vertical angle from A to B is minus 11°00'.



EAST BOUNDARY OF T. 27 S., R. 5 E.

Chains

Distance on line, - - - - - 48.48 chs.
 Distance by triangulation, - - - - - 35.58 chs.
 Distance to point B of triangulation, - - 84.06 chs.
 Distance by return measurement, - - - - - 6.06 chs.
 78.00 chs.

78.00 Base of ledges and reef, 420 ft. below top, bears N.10° and W.; descend gradually over broken NW. slope.

84.06 To point B. of triangulation on NW slope, 460 ft. below top of reef.

Intersect the S. bdy. of sec. 31, T. 26 S., R. 6 E., East 9.54 chains distant from the cor. originally set for Ts. 26 and 27 S., Rs. 5 and 6 E., hereinafter described.

At point of intersection.

Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for closing cor. of Ts. 27 S., Rs. 5 and 6 E., with brass cap marked

T26S R6E

S31

S1

S6

R5E R6E

T27S

CC

1939

deposit a sandstone, 18x18x16 ins. at base of post, marked X.

Land, broken sandstone ledges and surface rock.

Soil, shallow loose sand and clay, with a rocky surface; 4th rate.

Undergrowth, sagebrush, shadscale, mountain rush and weeds.

Timber, scrub juniper and pinon on S. portion of mile. Poor grazing land.

DEPENDENT RESURVEY OF PORTION NORTH BDY., T. 27 S., R. 5 E.

Reestablishment of survey executed by
 A. D. Ferron, and A. Jessen, Deputy
 Surveyors, in 1895.

Note: None of the corners of the original survey of this boundary could be located between the cor. of T. 26 S., Rs. 5 and 6 E., and the $\frac{1}{2}$ sec. cor. secs. 3 and 34.

The corner originally set for Ts. 26 and 27 S., Rs. 5 and 6 E., is a sandstone, 30x12x6 ins., loosely set in a large mound of stone, marked 6 notches on all four edges, and SW COR MARK CO on N. face. Corner has no accessories.

At the corner point.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, with the original corner monument alongside the iron post, for cor. of Ts. 26 S., Rs. 5 and 6 E., with brass cap marked

T26S

R5E

R6E

S36

S31

T27S R5E S1

1939

DEPENDENT RESURVEY OF PORTION NORTH BDY., T. 27 S., R. 5 E.

Chains

of stone, 5 ft. base, 4 ft. high, N. of cor. raise a mound

June 25, 1939: stationed at the above corner, in approximate latitude $38^{\circ}29'N.$, longitude $111^{\circ}18'W.$, with instrument No. 18003, at 1h 23.7m p.m., correct 105th meridian standard time, I make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a point on a ledge about 1 mile to the West, in a clockwise direction to the star.

Local mean time of observation, - - - - - 12h 53.5m p.m.
Mean horizontal deflection angle, from
point on ledge to star, - - - - - $88^{\circ}42'$
Azimuth of Polaris, - - - - - $1^{\circ}18'W.$
True bearing to point on ledge, - - - - - West.

Thence from the above corner.

West, along the S. bdy. of sec. 36, T. 26 S., R. 5 E.

Ascend gradually over broken bench land, through scattered undergrowth.

10.20 Wash, 30 lks. wide, 4 ft. deep, drains $N.15^{\circ}E.$

30.10 Leave flag point at base of high reef to the West, bears NE. and SW.; thence ascend abrupt ledgy SE. slope.

30.56 Point midway between the closing cor. of secs. 1 and 2, and the closing cor. of Ts. 27 S., Rs. 5 and 6 E.; on NE. slope, 20 ft. above the township cor.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 1, with brass cap marked

$\frac{1}{4}$ S1

1939

of stone, 3 ft. base, 2 ft. high, S. of cor. raise a mound

40.19 Point midway between the cor. of secs. 35 and 36, and the cor. of Ts. 26 S., Rs. 5 and 6 E.; on NE. point of spur, 50 ft. above the township cor.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. cor. sec. 36, with brass cap marked

$\frac{1}{4}$ S36

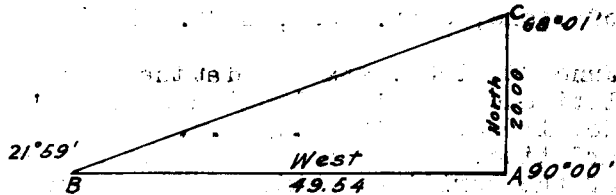
1939

deposit a sandstone, $12 \times 12 \times 6$ ins., at base of post, marked X.

From this cor. the line W. ascends over nearly vertical sandstone and shale ledges, over which it is impossible to chain, I therefore determine the distance by triangulation, as follows: erect flag A at the 30.10 chains point, and flag B on line W. From A survey base line AC North 20.00 chains distant. Base line double chained, and the following angles checked by repetition. Angle A is $90^{\circ}00'$, B is $21^{\circ}59'$, and C is $68^{\circ}01'$. The vertical angle from A to B is plus $12^{\circ}15'$.

DEPENDENT RESURVEY OF PORTION NORTH Bdy., T. 37 S., R. 5 E.

Chains



Distance on line, - - - - - 30.10 chs.
 Distance by triangulation, - - - - - 49.54 chs.
 Distance to point B of triangulation, - - - 79.64 chs.
 Distance by return measurement, - - - - - 8.98 chs.
 70.66 chs.

- 70.66 The closing cor. of secs. 1 and 2 subsequently set at this point.
- 79.64 To point B of triangulation, at top of high, ledgy spur, 720 ft. above the township corner, projects NE. from the reef; thence along broken N. slope of reef, near top.
- 80.38 Proportionate point; on steep N. breaks of reef, 1.50 chains N. of top.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to solid rock, and in a large mound of stone to top, for cor. of secs. 35 and 36, with brass cap marked

T26S	R5E
S35	S36

T27S R5E
 S2
 1939

deposit a sandstone, 12x12x6 ins., at base of post, marked X.

Land, rolling top of bench, and broken NE. breaks of reef. Soil, shallow, loose sand and clay, with a rocky surface; 4th rate.

Undergrowth, shadscale, mountain rush, sagebrush and weeds.

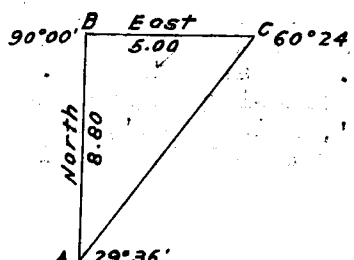
No timber.

Poor grazing land.

West, along the S. bdy. of sec. 35.

Descend gradually along steep, nearly impassable N. breaks of reef, through scattered undergrowth.

- 30.00 From this point, on N. breaks of reef, 280 ft. below cor., the line follows along the N. face of vertical sandstone ledge, over which it is impossible to chain or project a line. To pass same, I offset by triangulation, as follows: erect flag A at this point, and flag B at a point N. from A. From B survey base line BC East 5.00 chains distant. The base line is double chained, and the following angles checked by repetition. Angle A is 29°36', B is 90°00', and C is 60°24'.



Chains

Distance by triangulation, - - - - - 8.80 chs.

Thence, from point B of triangulation.

West, on offset line, which is 8.80 chs. N. of true line, counting distances from sec. cor.

30.39 Offset South, 4.70 chs. dist. to point which is North 4.10 chs. dist. from true point for the $\frac{1}{4}$ sec. cor. sec. 2. The true point for cor. falls on N. face of vertical ledges, which are inaccessible; therefore, at this point, on broken N. breaks of reef to the S. 430 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, and in a large mound of stone to top, for witness cor. to the $\frac{1}{4}$ sec. cor. sec. 2, with brass cap marked

$\frac{1}{4}$ S2

WC

1939

deposit a sandstone, 10x10x8 ins., at base of post, marked X.

Vertical sandstone ledges make it impossible to project a line or chain west from this corner, I therefore return to the point 8.80 chains north of true line and continue west on offset line.

40.19 Offset South 8.80 chains distant to point on true line, and point midway between the corner of secs. 35 and 36, and the cor. of secs. 34 and 35; on steep N. face of reef.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 35, with brass cap marked

$\frac{1}{4}$ S35

1939

raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

It being impossible to continue the true line west from this point, I return to the point 8.80 chains north of true line and continue west on offset line.

65.30 Offset South, 8.80 chains distant to true line; thence West, on true line, along base of high reef to the S.

70.50 The closing cor. of secs. 2 and 3, subsequently set at this point.

80.38 Proportionate point; on rolling land, 2.50 chains N. from base of high reef to the S.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 34 and 35, with brass cap marked

T26S R5E

S34 S35

T27S R5E

S3

1939

raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

DEPENDENT RESURVEY OF PORTION NORTH DIV., T. 27 N., R. 8 E.

Chains	
	Land, broken N. face of high sandstone reef. Soil, shallow, loose sand; 4th rate. Undergrowth, shadscale, sagebrush, and mountain rush, No timber. Poor grazing land.
	West, along the S. bdy. of sec. 34. Over rolling land, through scattered undergrowth.
3.40	Shallow draw, drains NE.
16.50	The S. edge of gap in narrow high sandstone reef, 50 ft. above corner, bears N.60°E. and S.60°W.; thence over rolling land.
30.09	Point midway between the closing cors. of secs. 2 and 3, and secs. 3 and 4. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S3 1939 from which A juniper, 16 ins. diam., bears S.62°45'W., 402 lks. dist., marked $\frac{1}{4}$ S3 BT No other bearing tree available.
35.30	Junction of two large washes from the S. and SW., drains N.20°E., 60 lks. wide, 5 ft. deep.
40.19	The original $\frac{1}{4}$ sec. cor. secs. 3 and 34, a volcanic stone, 30x12x12 ins., firmly set, marked $\frac{1}{4}$ on N. face. Corner is witnessed by a mound of stone, 3 ft. base, 2 ft. high, to the N. of the cor. monument. At the point for corner, on small volcanic knoll, 50 ft. high. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the original cor. monument deposited at the base of the post, for $\frac{1}{4}$ sec. cor. sec. 34, with brass cap marked $\frac{1}{4}$ S34 1939 Thence N.89°17'W.
29.87	The closing cor. of secs. 3 and 4, subsequently set at this point.
42.12	The original cor. of secs. 3, 4, 33, and 34, a volcanic stone, 18x14x8 ins., firmly set, marked three notches on E. and W. edges. Corner has no accessories. At the cor. point, Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with the original corner monument deposited at the base of the post, for cor. of secs. 33 and 34, with brass cap marked

Chains

T26S R5E
S33 S34
T27S R5E
S4
1939

from which

A juniper, 6 ins. diam., bears N.3°W., 26 lks.
dist., marked BT. Tree too scrubby for other marks.

No other suitable bearing tree available.

Land, rolling.
Soil, shallow sand and clay, with a rocky surface;
4th rate.
Undergrowth, sagebrush, mountain rush, yellow top,
and weeds.
Timber, scrub juniper and pinon on W. portion of mile.
Fair grazing land.

S.89°45'W., along the S. bdy. of sec. 33.

Along steep S. slope of high bench to the N., through
scattered timber and undergrowth.

0.60 Trail, bears NW. and SE.

27.69 Point midway between the closing corners of secs. 3 and
4, and secs. 4 and 5; on steep S. slope, 50 ft. below
sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, for $\frac{1}{4}$ sec. cor., sec. 4, with brass cap marked

$\frac{1}{4}$ S4
1939

from which

A juniper, 12 ins. diam., bears S.37°30'E., 153 lks.
dist., marked $\frac{1}{4}$ S4 BT

A juniper, 8 ins. diam., bears S.81°15'W., 72 lks.
dist., marked $\frac{1}{4}$ S4 BT

32.00 Slope changes from a steep S. slope to a steep SE. slope.

40.24 The original $\frac{1}{4}$ sec. cor. secs. 4 and 33, a volcanic
stone, 24x18x12 ins., firmly set, marked $\frac{1}{4}$ on N. face.
Corner has no accessories.

At the corner point, on steep SE. slope, 100 ft. above
the $\frac{1}{4}$ sec. cor. sec. 4,

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in
the ground to solid rock, and in a large mound of stone
to top, with the original corner monument deposited at
the base of the post, for $\frac{1}{4}$ sec. cor. sec. 33, with brass
cap marked

$\frac{1}{4}$ S33
1939

from which

A juniper, 8 ins. diam., bears N.5°30'E., 55 lks.
dist., marked BT. Tree too scrubby for other marks

DEPENDENT RESURVEY OF PORTION NORTH BDY., T. 27 S., R. 5 E.

Chains

and no other suitable bearing tree available.

Land, broken.

Soil, shallow clay and sand, with a rocky surface;
4th rate.

Undergrowth, sage, black, and bitter brush, mountain
rush, weeds and grass.

Timber, scrub juniper and pinon.

Fair grazing land.

INDEPENDENT RESURVEY OF PORTION NORTH BDY., T. 27 S., R. 5

Independent resurvey superseding the survey executed
by A. D. Ferron and A. Jessen, U. S. Deputy
Surveyors, in 1895.

From the $\frac{1}{4}$ sec. cor. sec. 33, heretofore described.

West, on a random line, along the N. bdy. of T. 27 S.,
R. 5 E., setting temporary $\frac{1}{4}$ sec. and sec. corners at
intervals of 40.00 chains, and at

186.63 Intersect the W. bdy. of the township, 71 links S. of
the closing cor. of T. 27 S., Rs. 4 and 5 E., hereinafter
described.

The bearing of this line therefore is N. 89° 47' W., and
the distance is 186.63 chains.

Thence from the $\frac{1}{4}$ sec. cor. sec. 33.

N. 89° 47' W., on true line, along the S. bdy. of sec. 33.

Ascend steep SE. slope of high bench, through scattered
timber and undergrowth.

27.39 The closing cor. of secs. 4 and 5, subsequently set at
this point.

40.00 On steep SE. slope, 430 ft. above the $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in
the ground to solid rock, and in a large mound of stone
to top, for cor. of secs. 32 and 33, with brass cap marked

T26S	R5E
S32	S33

T27S R5E

S5

1939

No suitable bearing trees available.

From this cor. the cor. originally set for secs. 4, 5,
32, and 33, bears S. 20° W. 16 links distant. Corner is
a volcanic stone, 3x3x3 ft., firmly set, marked 4 notches
on E. edge, and 2 notches on W. edge. Corner has no ac-
cessories. I deposit the stone monument alongside the
iron post.

Land, steep SE. slope of bench.

Soil, shallow clay and sand, with a rocky surface;
4th rate.

Undergrowth, sage, black, and bitter brush, shadscale,
and weeds.

Timber, scrub juniper and pinon.

Fair grazing land.

INDEPENDENT RESURVEY OF PORTION NORTH BDY., T. 27 S., R. 5 E.

Chains

N.69°47'W., along the S. bdy. sec. 32.

Ascend steep SE. slope of high bench, through scattered timber and undergrowth.

13.80 Top of SE. rim of bench, 150 ft. above corner, bears N.80°E. and S.80°W.; thence ascend gradual E. slope on top of bench, through dense timber.

27.41 Point midway between the closing corners of secs. 4 and 5, and secs. 5 and 6; on E. slope, 210 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 5, with brass cap marked

$\frac{1}{4}$ S5
1939

from which

A juniper, 18 ins. diam., bears S.63°E., 18 lks. dist., marked $\frac{1}{4}$ S5 BT

A pinon, 14 ins. diam., bears S.89°45'W., 45 lks. dist., marked $\frac{1}{4}$ S5 BT

39.20 Trail, bears N.80°W. and S.80°E.

40.00 On gradual E. slope, 100 ft. above the $\frac{1}{4}$ sec. cor. sec. 5.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 32, with brass cap marked

$\frac{1}{4}$ S32
1939

from which

A juniper, 8 ins. diam., bears N.40°15'E., 181 lks. dist., marked $\frac{1}{4}$ S32 BT

A juniper, 15 ins. diam., bears N.24°30'W., 107 lks. dist., marked $\frac{1}{4}$ S32 BT

From this corner the original $\frac{1}{4}$ sec. cor. set for secs. 5 and 32, bears S.24°W. 126 lks. dist. Corner is a volcanic stone, 16x6x6 ins., firmly set, marked $\frac{1}{4}$ on N. face. Corner has no accessories. I deposit the corner monument alongside the iron post.

50.90 Recross trail, bears N. and S.

67.43 The closing cor. of secs. 5 and 6, subsequently set at this point.

76.00 Gulch, 100 ft. deep, drains N.; ascend broken NE. slope.

80.00 On broken NE. slope, 120 ft. above the $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 31 and 32, with brass cap marked

T26S R5E
S31 S32
T27S R5E
S6
1939

from which

INDEPENDENT RESURVEY OF PORTION NORTH Bdy., T. 27 S., R.

Chains	<p>A pinon, 8 ins. diam., bears N.54°45'E., 97 lks. dist., marked T26S R5E S32 BT.</p> <p>A pinon, 8 ins. diam., bears N.1°15'W., 54 lks. dist., marked BT. Tree too scrubby for other marks.</p> <p>From this corner the corner originally set for secs. 5, 6, 31, and 32, bears S.37°W. 125 lks. dist. Corner is a volcanic stone, 20x10x4 ins., firmly set, marked 5 notches on E. edge, and 1 notch on W. edge. Corner has no accessories. I deposit the corner monument alongside the iron post.</p>
27.43	<p>N.89°47'W., along the S. bdy. sec. 31.</p> <p>Ascend steep NE. slope of mountainous land, through dense timber and scattered undergrowth.</p> <p>Point which is a westing of 40.00 chains from the closing cor. of secs. 5 and 6.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 6, with brass cap marked</p> <div style="text-align: center;"> <hr style="width: 10%; margin: 0 auto;"/> $\frac{1}{4}$ S6 1939 </div> <p style="text-align: right;">from which</p> <p>A juniper, 18 ins. diam., bears S.0°15'E., 128 lks. dist., marked $\frac{1}{4}$ S6 BT</p> <p>A pinon, 12 ins. diam., bears S.24°30'W., 164 lks. dist., marked $\frac{1}{4}$ S6 BT</p> <p>Corner set on steep NE. slope, 300 ft. above sec. cor.</p>
39.90	<p>Small ravine, 30 ft. above the $\frac{1}{4}$ sec. cor., drains NE.; thence ascend SE. slope.</p>
40.00	<p>On SE. slope, 10 ft. above ravine.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. cor. sec. 31, with brass cap marked</p> <div style="text-align: center;"> <hr style="width: 10%; margin: 0 auto;"/> $\frac{1}{4}$ S31 1939 </div> <p style="text-align: right;">from which</p> <p>A pinon, 12 ins. diam., bears N.23°15'E., 170 lks. dist., marked $\frac{1}{4}$ S31 BT</p> <p>A pinon, 12 ins. diam., bears N.11°W., 77 lks. dist., marked $\frac{1}{4}$ S31 BT</p>
54.30	<p>From this cor. the original $\frac{1}{4}$ sec. cor. set for secs. 6 and 31, bears S.56°W. 126 lks. dist. Corner is a volcanic stone, 18x15x6 ins., firmly set, marked $\frac{1}{4}$ on N. face, and witnessed by a mound of stone, 2$\frac{1}{2}$ ft. base, 2 ft. high, to the N. of the cor. monument. I deposit the corner monument alongside the iron post.</p>
54.30	<p>Irrigation ditch, 5 lks. wide, 1 ft. deep, flows NE.</p>
66.63	<p>The closing cor. of T. 27 S., Rs. 4 and 5 E., an iron post, 3 ins. diam., set, marked and witnessed as described</p>

Chains

in the official record of the survey of T. 27 S., R. 4 E., group 184, Utah.

From the closing township corner, the corner of T. 26 S., Rs. 4 and 5 E., an iron post, 3 ins. diam., set, marked and witnessed, as described in the official record, bears West 12.54 chains.

Land, rolling and mountainous.

Soil, shallow gravel, clay and sand; 4th rate.

Undergrowth, sage, oak, service berry, and buck brush, mountain rush, weeds and grass.

Timber, scrub juniper and pinon.

Fair grazing land.

SUBDIVISION OF T. 27 S., R. 5 E.

From the true point for the corner of secs. 1, 2, 35, and 36 on the south bdy. of the township,

N. 0°01'W., between secs. 35 and 36.

As the true point for the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the township, falls in inaccessible N. breaks of Deep Creek Canyon, where it is impossible to reach the true corner point, and the line to the N. of this point passes over inaccessible ledges, I commence at a point East, 7.44 chains distant from the true point for corner, which is East, 11.87 chains distant from the witness corner to the corner of said secs. and run on offset line, as follows:

N. 0°01'W., 15.00 chains.

West, 7.44 chains to

15.00 Point on true line, at head of boxed gulch, drains SW.; thence N.0°01'W., on true line; ascend steep S. slope of rough, mountainous land, through scattered timber and undergrowth.

23.00 Top of divide ridge, 290 ft. above head of gulch, bears N.60°E. and S.60°W.; descend abrupt N. slope.

40.00 On abrupt N. slope, 320 ft. below top of ridge.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S35 | S36
1939

from which

A pinon, 10 ins. diam., bears N.27°30'E., 17 lks. dist., marked $\frac{1}{4}$ S36 BT

A pinon, 10 ins. diam., bears N.83°W., 110 lks. dist., marked $\frac{1}{4}$ S35 BT

41.00 Shale gulch, 60 ft. below the $\frac{1}{4}$ sec. cor., drains N.80°E.; descend over steep NE. slope.

55.00 Bottom of sandstone gulch, 300 ft. below the $\frac{1}{4}$ sec. cor., drains E.; ascend steep S. slope.

SUBDIVISION OF TOWNSHIP 27 SOUTH, RANGE 3 EAST

Chains

66.30 Ridge, 310 ft. above gulch, slopes S. 60° E. and bears N. 60° W.; to top of high peak on ridge; descend abrupt N. slope.

80.00 True point for the cor. of secs. 25, 26, 35, and 36, falls in bottom of boxed gulch, 200 ft. below ridge, drains NE., where it is impossible to set a corner, therefore, at a point East 3.27 chains distant from true point for corner, on top of SE. rim of gulch, bears NE. and SW.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for witness corner to the cor. of secs. 25, 26, 35, and 36, with brass cap marked

	T27S	R5E
	S26	S25
WC	S35	S36

1939

from which

A pinon, 12 ins. diam., bears S. 74° E., 34 lks. dist., marked WC T27S R5E S36 BT

A pinon, 3 ins. diam., bears N. 36° W., 57 lks. dist., marked BT

No other suitable bearing trees available.

Land, broken and mountainous.

Soil, shallow, loose sand and gravel; 4th rate.

Undergrowth, sage and bitter brush, shadscale, weeds, and grass.

Timber, scrub juniper and pinon.

Poor grazing land.

From the true point for the cor. of secs. 25, 26, 35, and 36.

East, on random line, bet. secs. 25 and 36.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

75.00 To pass rim of gulch, I offset as follows:

South, 1.25 chains, thence East, on offset line to

80.00 The witness cor. to the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the township, heretofore described, and which is South 1.25 chains distant from the true point for the cor. of said secs.

Thence

West, on true line, between secs. 25 and 36.

The true point for cor. of secs. 25, 26, 35, and 36, falls in bottom of gulch, where it is impossible to project a line W.; I therefore commence at the witness corner to the corner of said secs. and run on offset line as follows

West, 5.00 chains; North 1.25 chains to

5.00 Point on true line, at top of N. rim of gulch, 110 ft. above bottom, bears N. 80° E. and S. 80° W.; thence West,

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

on true line; ascend gradual E. slope of broken land, through scattered undergrowth.

17.00 Top of ascent on spur from knoll, 200 ft. above rim of gulch, slopes NE.; descend W. slope.

25.00 Shale gulch, 300 ft. below spur, drains N.; ascend broken E. slope.

40.00 On top of spur, 200 ft. above gulch, projects NE.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S 25

S 36

1939

raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

50.00 Boxed gulch, 150 ft. below the $\frac{1}{4}$ sec. cor., drains NE.; ascend broken NE. slope.

74.50 Spur, 420 ft. above gulch, projects NE.; descend gradual W. slope.

76.73 The witness corner to the cor. of secs. 25, 26, 35, and 36, on top of SE. rim of gulch, bears NE. and SW.; descend abruptly to bottom of gulch.

80.00 The true point for the cor. of secs. 25, 26, 35, and 36, 110 ft. below spur.

Land, broken and mountainous.

Soil, deep and shallow blue clay; 4th rate.

Undergrowth, very scattered shadscale and weeds.

No timber.

Poor grazing land.

From the true point for the cor. of secs. 25, 26, 35, and 36, which is West 3.27 chains distant from the witness corner to the corner of said secs.

N.0°01'W., between secs. 25 and 26.

Descend abrupt general N. slope of rough, mountainous land, through scattered timber and undergrowth.

33.20 Deep, rocky gulch, 390 ft. below true point for sec. cor., drains N.80°E.; ascend gradually.

40.00 On broken SE. slope, 50 ft. above bottom of gulch.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S26 | S25

1939

deposit a sandstone, 12x8x8 ins., at base of post, marked X.

48.30 Top of red shale spur, 50 ft. above the $\frac{1}{4}$ sec. corner, projects N.80°E.; descend broken N. slope.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

chain 3

- 51.50 Top of S. rim, of wide draw, bears NE. and SW.
- 63.90 Wash, 50 lks. wide, 4 ft. deep, in draw, 180 ft. below spur, drains E. 4.00 chains distant, thence NE.; ascend abrupt S. face of ledges.
- 67.60 Top of N. rim of draw, 120 ft. above bottom, bears NE. and W.; thence descend gradually over broken NE. slope.
- 80.00 On broken general N. slope, 100 ft. below top of rim.
- Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock, and in a large mound of stone to top, for cor. of secs. 23, 24, 25, and 26, with brass cap marked

T27S	R5E
S23	S24

S26	S25
-----	-----

1939

deposit a sandstone, 12x9x8 ins., at base of post, marked I.

Land, broken.

Soil, shallow clay and sand, with a rocky surface; 4th rate.

Undergrowth, sage and black brush, mountain rush, weeds, and grass.

Timber, a few scattered scrub juniper and pinon.

Fair grazing land.

East, on random line, between secs. 24 and 25.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.

- 80.12 Intersect the E. bdy. of the township, 5 lks. N. of the cor. of secs. 19, 24, 25, and 30, heretofore described.

Thence

N.89°58'W., on true line, between secs. 24 and 25.

Over rolling bottom lands of Polk Creek, through scattered short undergrowth.

- 25.90 Base of the NW. point of high volcanic knoll, 200 ft. high, top bears SE. 4.00 chains distant.

- 33.80 Top of gravelly knoll.

- 40.06 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	S 24
	S 25

1939

from which

A lone juniper, 14 ins. diam., bears N.27°W., 132 lks. dist., marked $\frac{1}{4}$ S24 BT

No other bearing tree available. Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains
 57.00 Large main wash, from draw; 50 lks. wide; 4 ft. deep, drains NE.
 63.00 Leave rolling bottom lands of Polk Creek, bears NW. and SE.; ascend broken E. slope of mountainous land.
 70.30 Top of gravelly knoll, 80 ft. above base of ascent; descend gradually.
 72.50 Low spur, projects N.
 80.12 The cor. of secs. 23, 24, 25, and 26, 80 ft. below knoll.
 Land, rolling and broken.
 Soil, deep and shallow sand and clay; 4th rate.
 Undergrowth, shadscale, greasewood, mountain rush, black and sage brush and weeds.
 No timber.
 Fair grazing land.

as well
 N.0°01'W., between secs. 23 and 24.
 Descend gradually over broken NE. slope of mountainous land, through scattered short undergrowth.

7.70 Leave broken land, and enter rolling bottom lands of Polk Creek, bears NW. and SE.
 9.90 Small wash, 20 lks. wide, 3 ft. deep, drains N.80°E., 1.50 chains distant to junction with next wash.
 11.40 Large wash, 30 lks. wide, 4 ft. deep, drains SE. 2.00 chains distant, thence E.
 27.70 Land, becomes more level, bears E. and W.
 40.00 On nearly level land.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

\uparrow
 S23 | S24
 1939

raise a mound
 of stone, 3 ft. base, 2 ft. high, W. of cor.

51.60 Bottom of dry channel of Polk Creek, 45 lks. wide, 9 ft. deep, drains E.
 67.70 Wash, 40 lks. wide, 4 ft. deep, drains E.
 80.00 On rolling land.
 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 13, 14, 23, and 24, with brass cap marked

T27S | R5E
 S14 | S13

 S23 | S24
 1939

from which

A juniper, 10 ins. diam., bears N.45°E., 93 lks. dist., marked BT. Tree too scrubby for other marks.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

A juniper, 14 ins. diam., bears S. 85° E., 60 lks. dist., marked BT. Tree too scrubby for other use.

A juniper, 10 ins. diam., bears N. 45° W., 102 lks. dist., marked BT. Tree too scrubby for other use.

No bearing tree available in sec. 23.

Land, rolling.

Soil, deep sand and clay; 4th rate.

Undergrowth, sage and black brush, shadscale, greasewood, mountain rush and weeds.

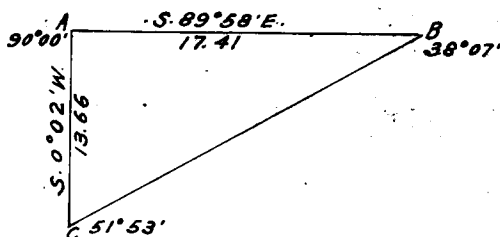
Timber, a few scrub juniper on N. end of mile.

Fair grazing land.

S. 89° 58' E., on random line, between secs. 13 and 24.

17.46 Leave flag point.

20.00 Base of inaccessible SW. breaks of reef over which it is impossible to chain, I therefore determine the distance by triangulation, as follows: erect flag A at the 17.46 chains point, and flag B on line to the E. From A survey base line AC S. 0° 02' W. 13.66 chains distance. The base line is double chained, and the following angles checked by repetition: angle A is 90° 00', B is 38° 07', and C is 51° 53'. The vertical angle from A to B is plus 25° 10'.



Distance on line, - - - - - 17.46 chs.
Distance by triangulation, - - - - - 17.41 chs.
34.87 chs.

34.87 To point B of triangulation.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.10 Intersect the E. bdy. of the township 2 lks. S. of the cor. of secs. 13, 18, 19, and 24, heretofore described.

Thence

N. 89° 59' W., on true line, between secs. 13 and 24.

Ascend gradually over broken NE. slope, through very scattered timber and undergrowth.

35.10 Head of sandstone gulch, 100 ft. above corner, drains NE. thence ascend steep E. slope.

40.05 On steep E. slope, 80 ft. above head of gulch.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked

S 13

S 24

1939

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

raise a mound
of stone, 3 ft. base, 2 ft. high, N. of cor.

46.25 Top of high reef, 170 ft. above the $\frac{1}{4}$ sec. cor., bears NW. and SE.; thence descend abruptly over inaccessible SW. face of reef.

80.10 Base of reef, 550 ft. below top, bears NW. and SE.; thence over rolling land.

80.10 The cor. of secs. 13, 14, 23, and 24.

Land, broken ledges.

Soil, shallow, loose sand, clay, and rock; 4th rate.

Undergrowth, black and sage brush, weeds and grass.

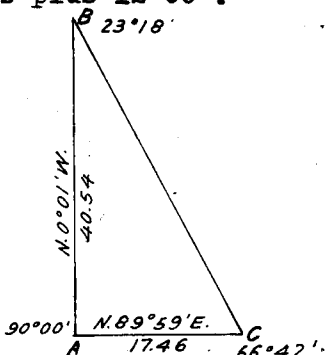
Timber, a few scrub juniper and pinon.

Poor grazing land.

N.0°01'W., between secs. 13 and 14.

Over rolling land, through scattered short undergrowth.

8.00 Base of inaccessible SW. breaks of a high reef, bears E. and W., over which it is impossible to chain, I therefore determine the distance by triangulation, as follows: erect flag A at the cor. of secs. 13, 14, 23, and 24, and flag B on line to the N. From A survey base line AC N.89°59'E., 17.46 chains distant. Base line double chained, and the following angles checked by repetition: angle A is 90°00', B is 23°18', and C is 66°42'. The vertical angle from A to B is plus 12°00'.



Distance by triangulation, - - - 40.54 chs.

40.00 True point for the $\frac{1}{4}$ sec. cor. falls on inaccessible SW. face of breaks of reef, where it is impossible to reach the cor. point.

40.54 To point B of triangulation.

40.72 On top of reef, near SW. point of ledge, 580 ft. above sec. cor., bears NW. and SE.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, and in a large mound of stone to top, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 13 and 14, with brass cap marked

$\frac{1}{4}$
S14|S13
WC
1939

deposit a
sandstone, 10x10x6 ins., at base of post, marked X.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

Thence descend abrupt ledgy N. slope of reef.

66.60 Bottom of Heartnet Draw, 380 ft. below top of reef, drains E.; ascend steep, rocky S. slope.

75.00 Top of gravelly ridge, 120 ft. above draw, bears E. and W.; descend gradually over broken N. slope, through scattered timber.

80.00 On broken N. slope, 30 ft. below top of ridge.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for cor. of secs. 11, 12, 13, and 14, with brass cap marked

T27S R5E

S11 S12

S14 S13

1939

from which

A pinon, 10 ins. diam., bears N.25°E., 132 lks. dist., marked T27S R5E S12 BT

A pinon, 8 ins. diam., bears S.64°30'E., 77 lks. dist., marked T27S R5E S13 BT

A pinon, 12 ins. diam., bears S.28°30'W., 64 lks. dist., marked T27S R5E S14 BT

A pinon, 12 ins. diam., bears N.44°45'W., 41 lks. dist., marked T27S R5E S11 BT

Land, broken ledges.

Soil, shallow sand, clay, and rock; 4th rate.

Undergrowth, shadscale, sage, and black brush.

Timber, scrub juniper and pinon on N. end of mile.

Poor grazing land.

S.89°59'E., on random line, between secs. 12 and 13.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect the E. bdy. of the township, 9 lks. S. of the cor. of secs. 7, 12, 13, and 18, heretofore described.

Thence

S.89°57'W., on true line, between secs. 12 and 13.

Ascend gradual SE. slope of broken bench land, through scattered timber and undergrowth.

13.60 Spur, 70 ft. above cor., slopes SW.; descend gradually over broken SW. slope.

19.50 Draw, 90 ft. below spur, drains SE.; ascend broken NE. slope.

40.05 On sandstone surface rock, 80 ft. above draw, mark a cross (X) over which

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

$\frac{1}{4}$ S 12
S 13
1939

from which

A juniper, 10 ins. diam., bears S.37°30'E., 80 lks.
dist., marked $\frac{1}{4}$ S13 BT

A pinon, 12 ins. diam., bears N.54°W., 73 lks.
dist., marked $\frac{1}{4}$ S12 BT

Continue along broken NE. slope.

80.10 The cor. of secs. 11, 12, 13, and 14, 70 ft. above the
 $\frac{1}{4}$ sec. cor.

Land, broken.

Soil, shallow, loose sand and clay; 4th rate.

Undergrowth, sage and black brush, shadscale, and weeds.

Timber, scrub juniper and pinon.

Poor grazing land.

N.0°01'W., between secs. 11 and 12.

Descend gradual NE. slope of broken land, through
scattered timber and undergrowth.

6.90 Slope changes from a gradual NE. slope to an abrupt
N. slope.

27.80 Wash, 35 lks. wide, 5 ft. deep, in large draw, 240 ft.
below corner; drains S.70°E.; ascend steep, broken S.
slope.

40.00 On top of ridge, 150 ft. above draw, mark a cross (X)
on the surface rock, over which

Set an iron post, 3 ft. long, 1 in. diam., in a large
mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap
marked

$\frac{1}{4}$
S11 S12
1939

from which

A pinon, 10 ins. diam., bears S.45°45'E., 82 lks.
dist., marked $\frac{1}{4}$ S12 BT

A pinon, 8 ins. diam., bears S.62°15'W., 47 lks.
dist., marked $\frac{1}{4}$ S11 BT

Thence descend gradual N. slope.

45.40 Descent becomes abrupt, bears E. and W.

71.30 Wash, 50 lks. wide, 4 ft. deep, in wide draw, 370 ft.
below the $\frac{1}{4}$ sec. cor., drains S.80°E.; ascend gradually
over rolling red shale and sandstone hills.

80.00 On S. slope of shale hill, 40 ft. above draw, mark a cross
(X) on the surface rock, over which

Set an iron post, 3 ft. long, 2 ins. diam., in a large
mound of stone to top, for cor. of secs. 1, 2, 11, and
12, with brass cap marked

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

T27S R5E	
S2	S1
S11	S12
1939	

No bearing trees available.

Land, broken.

Soil, shallow sand and clay, with a rocky surface; 4th rate.

Undergrowth, black and sage brush, shadscale, and weeds.

Timber, scrub juniper and pinon.

Poor grazing land.

N.89°57'E., on random line, between secs. 1 and 12.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.20 Intersect the E. bdy. of the township, 21 lks. N. of the cor. of secs. 1, 6, 7, and 12, heretofore described.

Thence

N.89°54'W., on true line, between secs. 1 and 12.

Descend gradual W. slope of broken bench land, through scattered timber and undergrowth.

1.50 Small draw, 40 ft. below corner, drains SE.; ascend ledgy SE. slope.

8.50 The SE. point of rocky spur, 30 ft. above draw, slopes SE. 6.00 chains distant to base; ascend gradual NE. slope.

40.10 On gradual NE. slope, 180 ft. above spur.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	S1
	S12
1939	

deposit a sandstone, 12x8x6 ins., at base of post, marked X.

No suitable bearing trees available.

46.40 Top of abrupt descent over broken SW. breaks of bench, bears NW. and SE.

69.00 Base of breaks, 290 ft. below top, bears NW. and SE.; thence over broken shale and sandstone hills.

80.20 The cor. of secs. 1, 2, 11, and 12.

Land, broken.

Soil, shallow sand and clay; 4th rate.

Undergrowth, black and sage brush, shadscale and weeds.

Timber, scrub juniper and pinon.

Poor grazing land.

N.0°01'W., on true line, between secs. 1 and 2.

Ascend steep, ledgy SW. breaks of high reef, through

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

1 70 scattered undergrowth.

20.50 Top of reef, 370 ft. above cor., bears NW. and SE.; thence over broken top of reef.

20.00 On broken N. rim of reef, bears E. and W.; mark a cross (X) on the surface rock, over which

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for witness cor. to the $\frac{1}{2}$ sec. cor. secs. 1 and 2, with brass cap marked

W C
+
S2 S1
1939

from which

A pinon, 8 ins. diam., bears S.35°E., 17 lks. dist., marked WC $\frac{1}{2}$ S1 BT

A pinon, 10 ins. diam., bears S.81°W., 38 lks. dist., marked WC $\frac{1}{2}$ S2 BT

Thence descend abrupt, nearly inaccessible N. breaks of reef.

40.00 True point for the $\frac{1}{2}$ sec. cor. falls in bottom of shale gulch, 290 ft. below the witness cor. to the $\frac{1}{2}$ sec. cor., drains E.; ascend steep N. shale breaks of gulch.

47.00 Top of breaks of gulch, 120 ft. above bottom, bears E. and W.; thence over ledgy E. slope of shale breaks to the W.

84.02 Intersect the N. bdy. of the township East 2.72 chains distant, from the cor. of secs. 33 and 35, T. 26 S., R. 5 E., heretofore described.

At point of intersection; on NE. slope of high reef to the SW.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for closing cor. of secs. 1 and 2, T. 27 S., R. 5 E., with brass cap marked

T26S R5E
S36

S2 S1
T27S R5E
C C
1939

deposit a sandstone, 10x10x6 ins., at base of post, marked X.

Land, broken ledges and shale breaks.

Soil, shallow, blue clay and shale; 4th rate.

Undergrowth, black and sage brush, mountain rush, and weeds.

Timber, a few scattered scrub juniper and pinon.

Poor grazing land.

From the corner of secs. 2, 3, 34, and 35, on the S. bdy. of the township, an iron post, 2 ins. diam., set, marked

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

and witnessed, as described in the official record of survey of T. 28 S., R. 5 E., Group 76, Utah.

N.0°01'W., between secs. 34 and 35.

Descend gradual N. slope, of broken, mountainous land, through scattered undergrowth and timber.

0.20 Small sandstone gulch, 5 ft. below corner, drains E.; ascend broken S. slope.

13.50 Top of S. rim of flat top of ridge, 90 ft. above corner, bears E. and W.; thence across top of ridge.

18.40 Top of N. rim of ridge, and S. breaks of Deep Creek Canyon, bears NW. and SE.; descend abrupt, broken NE. of breaks.

32.26 On broken NE. slope of breaks, 400 ft. below rim of ridge.

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock, and in a large mound of stone to top, for witness corner to the $\frac{1}{4}$ sec. cor. secs. 34 and 35, with brass cap marked

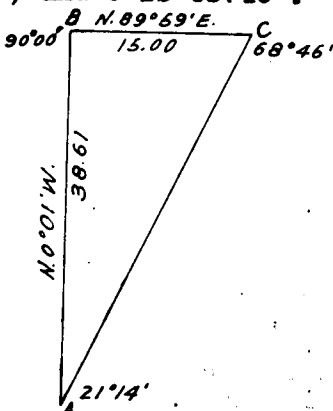
W C
 $\frac{1}{4}$
 S34 | S35
 1939

from which

A juniper, 10 ins. diam., bears N.75°E., 10 lks. dist., marked WC $\frac{1}{4}$ S35 BT

A juniper, 16 ins. diam., bears N.19°W., 47 lks. dist., marked WC $\frac{1}{4}$ S34 BT

33.70 Bottom of dry channel of Deep Creek, 50 ft. below the witness corner to the $\frac{1}{4}$ sec. corner, drains E. 5.00 chains distant, thence SE.; the line to the N. of this point ascends the vertical, inaccessible sandstone walls forming the N. breaks of Deep Creek Canyon, over which it is impossible to chain, I therefore triangulate as follows: erect flag A at the 18.40 chains point, and flag B on line to the N. From B measure base line BC N.89°59'E. 15.00 chains distant. Base line double chained and the following angles checked by repetition, Angle A is 21°14', B is 90°00', and C is 68°46'. Vertical angle A to B is plus 6°.



Distance by triangulation, - - - - - 38.61 chs.
 Distance on line, - - - - - 18.40 chs.

57.01 chs.

Chains

- 40.00 True point for the $\frac{1}{2}$ sec. cor. falls in inaccessible
N. breaks of canyon, where it is impossible to reach
the true point for corner.
- 57.01 To point B of triangulation at top of N. rim of Deep
Creek Canyon, 720 ft. above bottom, bears E. and W.;
descend gradually over broken NE. slope.
- 65.20 Head of rocky gulch, 120 ft. below rim, drains N.80°E.;
ascend steep, broken SW. slope.
- 70.00 Top of ascent on the SW. point of high mesa, 210 ft.
above head of gulch; descend gradually over broken
NW. slope.
- 75.40 Top of SE. rim of boxed gulch, bears NE. and SW., over
which it is impossible to chain, I therefore offset as
follows:
- East, 2.75 chains; thence N.0°01'W., on offset line to
- 80.00 Point on offset line at a point 2.75 chains East of the
true point for cor. of secs. 26, 27, 34, and 35.
- Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in
the ground to solid rock, and in a large mound of stone
to top, for witness cor. to cor. of secs. 26, 27, 34, and
35, with brass cap marked

	T27S	R5E
	S27	S26
WC	S34	S35
	1939	

deposit a
sandstone, 18x6x6 ins., at base of post, marked X.

True point for corner falls in bottom of sandstone gulch,
300 ft. below SW. point of mesa, drains NE., where it is
impossible to set a permanent corner.

Land, broken sandstone ledges.
Soil, shallow, loose sand in the depressions of the
surface rock; 4th rate.
Undergrowth, black and sage brush.
Timber, scrub juniper and pinon.
Most of mile inaccessible to grazing.

From the true point for the corner of secs. 26, 27, 34,
and 35.

East, on random line, between secs. 26 and 35.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.10 Intersect the true point for the cor. of secs. 25, 26,
35, and 36, which is West 3.27 chains distant from the
witness cor. to the cor. of said secs.

Thence

West, on true line, between secs. 26 and 35, from the
true corner point.

Ascend steep W. breaks of gulch, through scattered
timber and undergrowth.

SUBDIVISION OF T. 27 S., R. 5 E.

angle

Chains

- 5.60 Top of W. breaks of gulch, 80 ft. above true point of corner, bears N. and S.; thence along broken NW slope of high peak to the SW.
- 18.70 Top of ascent on N. slope, 80 ft. above rim of gulch, bears N. and S.; descend gradual NW. slope.
- 31.80 Head of shallow gulch, 100 ft. below top of ascent, drains N. 20° E. 4.00 chains distant to junction with gulch draining E.; ascend gradually over broken NE. slope.
- 40.05 On broken NE. slope, 160 ft. above gulch.
- Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $$\begin{array}{r} S\ 26 \\ \frac{1}{4} \\ S\ 35 \\ 1939 \end{array}$$
- from which
- A juniper, 12 ins. diam., bears N. 15° E., 30 lks. dist., marked $\frac{1}{4}$ S 26 BT
- A pinon, 12 ins. diam., bears S. 65° E., 42 lks. dist., marked $\frac{1}{4}$ S 35 BT
- 43.00 Top of E. rim of gulch, bears N. and S.; descend abrupt W. slope.
- 46.60 Bottom of deep shale gulch, 300 ft. below rim, drains N., about 8.00 chains distant to junction with deep sandstone gorge draining easterly; ascend gradually along steep N. slope of breaks to the S.
- 61.90 Gulch, heads SW. 6.00 chains distant, and drains NE. 5.00 chains distant to junction with gorge draining easterly; ascend steep broken E. slope.
- 68.50 Spur, 120 ft. above gulch, projects N. 3.00 chains distant, thence NE.; descend abrupt, broken W. slope.
- 77.35 The witness cor. to the cor. of secs. 26, 27, 34, and 35, 180 ft. below spur.
- 80.10 The true point for the cor. of secs. 26, 27, 34, and 35, 110 ft. below the witness cor. to the cor. of said secs.

Land, broken sandstone ledges.
Soil, shallow sand and clay; 4th rate.
Undergrowth, black and sage brush, shadscale, and weeds.
Timber, scrub juniper and pinon.
Poor grazing land.

From the true point for the corner of secs. 26, 27, 34, and 35, which is West 2.75 chains distant from the witness corner to the corner of said sections.

N. 0° 01' W., between secs. 26 and 27.

Ascend abruptly over nearly inaccessible N. breaks of deep sandstone gulch, through scattered timber and undergrowth.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

- 23.50 Top of reef and breaks of gulch, 420 ft. above true point for sec. corner, bears E. and W.; descend abrupt ledgy NE. slope.
- 40.00 On ledgy NE. slope, 340 ft. below top of reef.
- Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$
S27 S26
1939
- from which
- A pinon, 15 ins. diam., bears N.40°E., 61 lks. dist., marked $\frac{1}{4}$ S26 BT
- A pinon, 9 ins. diam., bears N.32°W., 27 lks. dist., marked $\frac{1}{4}$ S27 BT
- 40.50 Bottom of shale gulch, 50 ft. below the $\frac{1}{4}$ sec. corner, drains E.; ascend abrupt, nearly inaccessible N. breaks of gulch.
- 45.10 Spur, 230 ft. above gulch, projects E.; descend broken NE. slope.
- 77.10 Gulch, 210 ft. below spur, drains E.; ascend steep S. slope.
- 80.00 Near top of spur, 180 ft. above gulch, slopes NE.
- Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock, and in a large mound of stone to top, for cor. of secs. 22, 23, 26, and 27, with brass cap marked
- | | |
|------|-----|
| T27S | R5E |
| S22 | S23 |
| S27 | S26 |
- 1939
- deposit a
- sandstone, 10x10x8 ins., at base of post, marked X.
- Land, broken shale and sandstone ledges.
Soil, shallow clay and sand; 4th rate.
Undergrowth, black and sage brush, mountain rush and weeds.
Timber, scattered scrub juniper and pinon.
Poor grazing land.
-
- East, on random line, between secs. 23 and 26.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect the cor. of secs. 23, 24, 25, and 26.
- Thence
- West, on true line, between secs. 23 and 26.
- Ascend gradual NE. slope of broken land, through scattered undergrowth.
- 15.00 Spur, 50 ft. above corner, projects N.; descend steep NW. slope.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

- 21.20 Rocky gulch, 80 ft. below spur, drains NE.; ascend abrupt SE. slope. 83.53
- 30.50 Top of shale spur, 140 ft. above gulch, projects NE.; continue ascent over broken NE. slope. 100.04
- 40.05 On broken NE. slope, 120 ft. above spur.
- Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked
- $\frac{1}{4}$ S 23
 $\frac{1}{4}$ S 26
 1939
- deposit a sandstone, 10x10x6 ins., at base of post, marked X.
- 69.40 Bend in shale gulch, 210 ft. above spur, drains NE. from S.80°W.; ascend along broken N. breaks of gulch.
- 80.10 The cor. of secs. 22, 23, 26, and 27, 170 ft. above bottom of gulch.
- Land, broken shale and sandstone ledges.
 Soil, shallow clay and sand; 4th rate.
 Undergrowth, sage and black brush, weeds and grass.
 No timber.
 Poor grazing land.
-
- N.0°01'W., between secs. 22 and 23.
- Ascend over SE. rim of spur, through scattered undergrowth
- 0.30 Top of spur, projects NE.; descend abrupt N. slope.
- 26.50 Shale and sandstone gulch, 200 ft. below corner, drains E.; ascend ledgy S. slope.
- 31.30 Top of shale reef, 150 ft. above gulch, bears N.75°W. and S.75°E.; descend gradual N. slope.
- 40.00 On broken land, 160 ft. below top of reef.
- Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked
- $\frac{1}{4}$
 S22 | S23
 1939
- deposit a sandstone, 10x10x4 ins., at base of post, marked X.
- 44.80 Low clay spur, 80 ft. above the $\frac{1}{4}$ sec. corner, projects E.; descend gradually over broken N. slope.
- 62.30 Base of broken hills, 70 ft. below the $\frac{1}{4}$ sec. corner, bears N.70°W. and S.70°E.; thence over rolling bottom lands of Polk Creek.
- 71.00 Dry channel of Polk Creek, 30 lks. wide, 4 ft. deep, drains E.
- 80.00 On rolling bottom lands of Polk Creek.

Chains

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, with brass cap marked

T27S	R5E
S15	S14
S22	S23
1939	

from which

A pinon, 8¹/₂ ins. diam., bears N.78°E., 41 lks. dist., marked BT

A pinon, 8 ins. diam., bears S.60°E., 102 lks. dist., marked BT

No other trees available, and trees too scrubby for other marks.

From the above corner the NW. cor. of an old fence, inclosing a tract of land which at one time had been cultivated, bears N.65°53'E.

The NE. corner, bears N.69°34'E.

For additional ties see those given on line between secs. 14 and 23.

Land, broken and rolling.

Soil, shallow and deep clay and sand; 4th rate.

Undergrowth, shadscale, sage and black brush and weeds.

No timber.

Poor grazing land.

East, on random line, between secs. 14 and 23.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect the N. and S. line, 14 lks. N. of the corner of secs. 13, 14, 23, and 24.

Thence

N.89°54'W., on true line, between secs. 14 and 23.

Over rolling bottom lands of Polk Creek, through scattered undergrowth.

25.00 Wash, 40 lks. wide, 4 ft. deep, drains S.60°E.

39.98 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$	S 14
	S 23
1939	

raise a mound

of stone, 3 ft. base, 2 ft. high, N. of cor.

From this corner the SE. corner of an old barbed wire fence, inclosing a tract of land which at one time had been cultivated, bears N.71°30'W., 6.69 chains distant.

58.80 The NE. corner of fence, bears N.25°12'E.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

The NW. corner of fence bears N.36°00'W.
 The SW. corner of fence bears N.50°E. 1.85 chains distant.
 For additional bearings, see those given at the corner of secs. 14, 15, 22, and 23.

79.96 The cor. of secs. 14, 15, 22, and 23.

Land, rolling bottom lands of Polk Creek.
 Soil, deep sand and clay; 4th rate.
 Undergrowth, sage and black brush, shadscale and weeds.
 No timber.
 Fair grazing land.

N.0°01'W., between secs. 14 and 15.

Over rolling land, through scattered short undergrowth.

28.00 Wash, 30 lks. wide, 4 ft. deep, drains S.80°E.

33.50 Wash, 30 lks. wide, 4 ft. deep, drains S.85°E.

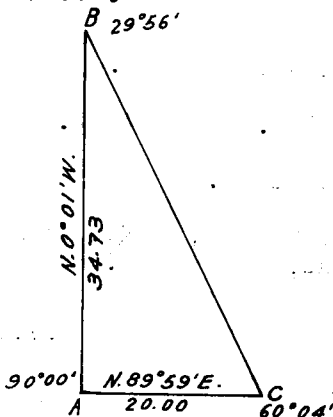
40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked

↑
 S15 | S14
 1939

deposit a volcanic stone, 9x5x5 ins., at base of post, marked X.

69.00 Base of high, inaccessible S. face of sandstone reef, bears N.80°W. and S.80°E. It being impossible to chain over S. face of reef, I triangulate to top of reef, as follows: erect flag A at the $\frac{1}{4}$ sec. corner, and flag B on line to the N. From A survey base line AC N.89°59'E., 20.00 chains distant. Base line double chained and the following angles checked by repetition: angle A is 90°00', B is 29°56', and C is 60°04'. The vertical angle from A to B is plus 7°30'.



Distance on line, - - - - - 40.00 chs.

Distance by triangulation, - - - - - 54.73 chs.

74.73 chs. ✓

74.73 To point B of triangulation at top of high sandstone reef, 310 ft. above the $\frac{1}{4}$ sec. cor., bears N.80°W. and S.80°E.; descend gradual N. slope through dense timber.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

20.00 On gradual N. slope, 70 ft. below top of reef.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 10, 11, 14, and 15, with brass cap marked

T27S	R5E
S10	S11
S15	S14
1939	

from which

A pinon, 8 ins. diam., bears N.39°E., 54 lks. dist., marked T27S R5E S11 BT

A pinon, 8 ins. diam., bears S.17°E., 153 lks. dist., marked BT. Tree too scrubby for other marks.

A pinon, 12 ins. diam., bears S.10°30'W., 104 lks. dist., marked T27S R5E S15 BT

A pinon, 3 ins. diam., bears N.63°W., 31 lks. dist., marked BT

Land, rolling and broken.

Soil, loose sand and clay; 4th rate.

Undergrowth, sagebrush, shadscale, mountain rush and weeds.

Timber, dense juniper and pinon on N. portion of mile. Fair grazing land.

S.89°54'E., on random line, between secs. 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect the N. and S. line, 12 lks. S. of the cor. of secs. 11, 12, 13, and 14.

Thence

N.89°59'W., on true line, between secs. 11 and 14.

Ascend gradually along broken N. slope, through scattered timber and undergrowth.

7.00 Low ridge, 40 ft. above corner, bears N. and S. 4.00 chains distant, thence E.; descend gradual SW. slope.

26.00 Bottom of Heartnet Draw, 170 ft. below ridge, drains SE.; ascend gradually over broken NE. slope.

39.95 On broken NE. slope, 80 ft. above Heartnet Draw.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$	S 11
	S 14
1939	

from which

A pinon, 8 ins. diam., bears N.23°30'E., 62 lks. dist., marked BT. Tree too scrubby for other marks.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains	
	A pinon, 8 ins. diam., bears S.11°15'W., 95 lks. dist., marked $\frac{1}{4}$ BT. Tree too scrubby for other use.
62.00	Draw, 80 ft. below the $\frac{1}{4}$ sec. corner, drains NE.
77.40	Recross draw, drains S.85°E.
79.90	The cor. of secs. 10, 11, 14, and 15, 80 ft. above the $\frac{1}{4}$ sec. cor.
	Land, broken. Soil, shallow clay and sand; 4th rate. Undergrowth, shadscale, sage and black brush, and mountain rush. Timber, scrub juniper and pinon. Fair grazing land.
	N.0°01'W., between secs. 10 and 11.
	Descend rocky NE. slope of broken land, through scattered timber and undergrowth.
2.30	Draw, 30 ft. below corner, drains S.85°E.; ascend gradual SW. slope.
9.00	Spur, 100 ft. above draw, projects E.; descend gradual NE. slope.
40.00	On gradual NE. slope, 130 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked
	<div style="text-align: center;"> \uparrow S10 S11 1939 </div>
	from which
	A pinon, 10 ins. diam., bears S.62°30'E., 100 lks. dist., marked $\frac{1}{4}$ S11 BT
	A juniper, 8 ins. diam., bears S.76°30'W., 290 lks. dist., marked $\frac{1}{4}$ S10 BT
40.30	Trail, bears E. and W.
41.50	Bottom of Heartnet Draw, 40 ft. below the $\frac{1}{4}$ sec. corner, drains NE., about 12.00 chains distant, thence SE.; ascend steep S. slope.
43.50	Top of SW. point of small bench, 50 ft. above draw; descend gradually over broken N. slope.
75.00	Base of gradual ascent over SW. slope of ridge, 50 ft. below point of bench, bears NW. and SE.
80.00	On broken SW. slope, 30 ft. above base of ascent.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 2, 3, 10, and 11, with brass cap marked
	<div style="text-align: center;"> T27S R5E 33 32 S10 S11 1939 </div>
	raise a mound

SUBDIVISION OF T. 27 S., R. 5 E.

Chains	<p>of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, rolling and broken. Soil, shallow sand and clay, with a rocky surface; 4th rate. Undergrowth, sagebrush, shadscale, and mountain rush. Timber, scrub juniper and pinon. Fair grazing land.</p>
	<p>S.89°59'E., on random line, between secs. 2 and 11.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor:
80.00	Intersect the N. and S. line, 5 lks. S. of the cor. of secs. 1, 2, 11, and 12.
	Thence
	S.89°59'W., on true line, between secs. 2 and 11.
	Over rolling land, through scattered undergrowth.
10.50	Enter bottom of shallow draw, drains S.85°E. from W.
29.50	Leave bottom of draw, drains E. from N.75°W.
40.00	On rolling land, 40 ft. below sec. corner; mark a cross (X) on the sandstone surface rock, over which
	Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked
	$\begin{array}{r} \frac{1}{4} \text{ S } 2 \\ \hline \text{S } 11 \\ 1939 \end{array}$
60.00	Begin abrupt ascent over ledgy E. slope of ridge, bears N.30°W. and S.30°E.
68.70	Top of ridge, 260 ft. above the $\frac{1}{4}$ sec. corner, bears N.30°W. and S.30°E.; descend broken SW. slope of ridge.
80.00	The cor. of secs. 2, 3, 10; and 11, 80 ft. below top of ridge.
	Land, rolling and broken. Soil, shallow clay; 4th rate. Undergrowth, shadscale and weeds. No timber. Poor grazing land.
	N.0°01'W., on true line, between secs. 2 and 3.
	Ascend broken SW. slope of ridge, through scattered undergrowth.
13.10	Top of red shale ridge, 140 ft. above corner, bears NW. and SE.; descend abrupt, ledgy NE. slope.
23.30	Large draw, 250 ft. below ridge, drains SE.; thence over rolling land.
40.00	On rolling land, 50 ft. above draw.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked

S3 S2

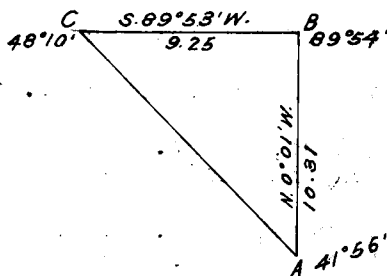
1939

of stone, 3 ft. base, 2 ft. high, W. of corner.

64.50 Leave rolling land, and ascend abrupt ledgy S. slope, bears NW. and SE.

69.50 Top of rocky ridge, 200 ft. above the $\frac{1}{4}$ sec. corner, bears E. and W.; descend abrupt N. slope.

73.66 Top of high, vertical sandstone ledge, facing N., and bears E. and W. It being impossible to chain N. from this point, I determine the distance by triangulation, as follows: erect flag A at this point, and flag B on line to the N. From B survey base line, BC S. 89° 53' W. 9.25 chains distant. Base line double chained, and the following angles checked by repetition:



Distance on line, - - - - - 73.66 chs.
Distance by triangulation, - - - - - 10.31 chs.
83.97 chs.

80.00 Approximate distance; base of vertical reef bears E. and W.; descend gradual N. slope.

83.97 To point B of triangulation; on gradual N. slope, 420 ft. below top of reef, and 520 ft. below top of ridge.

Intersect the N. bdy. of the township East 9.88 chains distant from the cor. of secs. 34 and 35, T. 26 S., R. 5 E., heretofore described.

At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for closing cor. of secs. 2 and 3, with brass cap marked

T26S R5E

S35

S3 S2

T27S R5E

C C

1939

of stone, 3 ft. base, 2 ft. high, S. of corner.

Land, broken shale and sandstone ledges.
Soil, shallow, loose sand and clay; 4th rate.
Undergrowth, shadscale, sagebrush and weeds.
No timber.
Fair grazing land.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

From the corner of secs. 3, 4, 33, and 34, on the S. bdy. of the township, an iron post, 2 ins. diam., set, marked and witnessed, as described in the official record of the survey of T. 28 S., R. 5 E., Group 76, Utah.

N.0°02'W., between secs. 33 and 34.

Ascend gradual S. slope of rolling bench land, through dense timber and scattered undergrowth.

18.30 Ridge, 80 ft. above corner, bears N.60°W. and S.60°E.; descend gradual N. slope.

27.60 Head of draw, 80 ft. below ridge, drains N.30°W.; ascend gradually along W. slope.

36.80 Top of the W. end of sandstone spur, 80 ft. above head of draw; descend steep N. slope.

40.00 On steep N. slope, 130 ft. below sandstone point.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$
 S33 S34
 1939

from which

A point on face of sandstone ledge, marked X B0 S33, bears S.38°W., 10 links distant.

No other suitable accessories available.

50.90 Deep Creek, stream 10 links wide, 5 ins. deep, in bottom of deep sandstone canyon, 410 ft. below the $\frac{1}{4}$ sec. cor., flows S.80°E.; ascend gradually.

71.00 Base of broken S. face of high sandstone butte, bears E, and W.

75.45 On broken S. face of butte, 130 ft. above stream.

Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground to solid rock, and in a large mound of stone to top, for witness cor. to the cor. of secs. 27, 28, 33, and 34, with brass cap marked

W C
 T27S R5E
 S28 S27
 S33 S34
 1939

from which

A juniper, 8 ins. diam., bears N.30°E., 27 lks. dist., marked WC T27S R5E S34 BT

A point on face of sandstone ledge, marked X B0 S33 WC, bears S.55°W., 20 lks. dist.

No other suitable accessories available.

The line to the N. of this corner ascends the inaccessible S. face of butte.

80.00 True point for the corner of secs. 27, 28, 33, and 34,

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

falls on inaccessible S. face of high sandstone butte, where it is impossible to reach the true corner point.

Land, rolling and broken.

Soil, shallow, loose sand; 4th rate.

Undergrowth, sage and black brush, mountain rush, shadscale, yellow top and weeds.

Timber, juniper and pinon.

Fair grazing land.

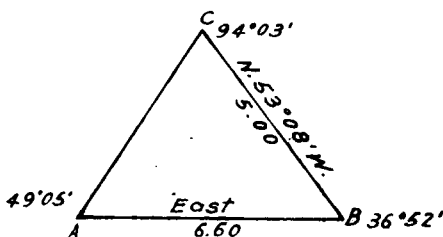
East, on random line, between secs. 27 and 34.

The true point for the cor. of secs. 27, 28, 33, and 34, which is $N.0^{\circ}02'W.$, 4.55 chains distant from the witness corner to the corner of said secs. cannot be reached, I therefore commence at a point $S.0^{\circ}02'E.$ 10.33 chains distant from the true corner point, and run on traverse line between secs. 27 and 34, as follows:

East, 23.00 chains; $S.69^{\circ}00'E.$ 3.78 chains; $N.13^{\circ}15'W.$ 10.99 chains; $N.86^{\circ}45'E.$ 12.53 chains; $N.84^{\circ}51'E.$ 3.01 chains to

39.53 Point on true random line; set temp. witness corner to the sec. cor. secs. 27 and 34.

The line to the E. of this point ascends the inaccessible SW. face of high sandstone reef, over which it is impossible to chain, I therefore determine the distance by triangulation, as follows: erect flag A at a point West 3.01 chains distant from the temp. witness cor. to the $\frac{1}{4}$ sec. corner, and flag B on line E. From B survey base line BC $N.53^{\circ}08'W.$ 5.00 chains distant. Base line double chained and the following angles checked by repetitions: angle A is $49^{\circ}05'$; B is $36^{\circ}52'$, and C $94^{\circ}03'$. The vertical angle from A to B is plus $44^{\circ}15'$.



Distance on line, - - - - - 36.52 chs.
Distance by triangulation, - - - - - 6.60 chs.

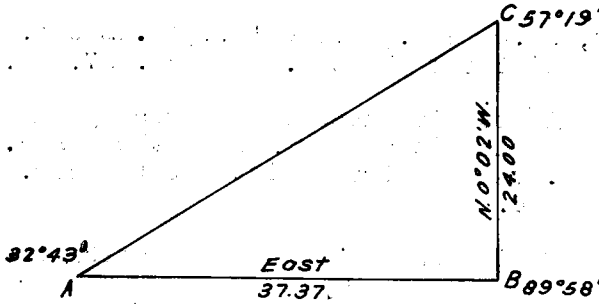
43.12 chs. ✓

43.12 To point B of triangulation.

43.60 The line to the E. of this point follows along the general bottom of boxed gulch, over which it is impossible to chain, I therefore triangulate, as follows: erect flag A at this point, and flag B on line E.; from B survey base line BC $N.0^{\circ}02'W.$ 24.00 chains distant. The following angles were checked by repetition: angle A is $32^{\circ}43'$, B is $89^{\circ}58'$ and C is $57^{\circ}19'$. The vertical angle from A to B is minus $8^{\circ}00'$.

SUBDIVISION OF T. 27 S., R. 5 E.

chains



Distance on line, - - - - - 43.60 chs.
 Distance by triangulation, - - - - - 37.37 chs.
 80.97 chs.
 Distance by return measurement, - - - - - 0.97 chs.
 80.00 chs.

80.00 Intersect the cor. of secs. 26, 27, 34, and 35.

Thence

West, on true line, between secs. 27 and 34.

Ascend along inaccessible bottom of deep sandstone gulch, drains NE. from the W., through scattered timber and undergrowth. Vertical sandstone rims of gulch and high walls make chaining impossible.

To point A of triangulation at

36.40 Top of high sandstone reef and divide ridge, 350 ft. above corner, bears NW. and SE.; descend abruptly over SW. face of reef.

36.88 To point B of triangulation at top of vertical ledge, bears NW. and SE.

40.00 True point for the $\frac{1}{4}$ sec. cor. falls on inaccessible S. face of reef, where it is impossible to reach the cor. point.

40.47 At base of reef, 430 ft. below top, bears NW. and SE.; mark a cross (X), on the sandstone surface rock, over which

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 27 and 34, with brass cap marked

$\frac{1}{4}$ $\frac{S\ 27}{S\ 34}$ WC
 1939

from which

A yellow pine, 14 ins. diam., bears N.53°E., 58 lks. dist., marked WC $\frac{1}{4}$ S27 BT

A pinon, 10 ins. diam., bears S.77°30'W., 130 lks. dist., marked WC $\frac{1}{4}$ S34 BT

The line to the W. of this cor. passes over high, inaccessible sandstone buttes, over which it is impossible to chain or project a line, I therefore run on traverse line along base of buttes, as follows:

S.84°51'W., 3.01 chs.; S.86°45'W., 12.53 chs.;
 S.15°15'E., 10.99 chs.; N.69°00'W., 3.78 chs.;

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

West, 23.00 chs.; N.0°02'W., 10.32 chs. to the true point for the cor. of secs. 27, 28, 33 and 34.

Approximate distances to topography on true line, between the witness corner to the $\frac{1}{2}$ sec. cor. secs. 27 and 34, and the true point for the cor. of secs. 27, 28, 33 and 34.

55.50 Base of high sandstone butte, bears N. and S.

65.50 Top of SE. point of butte, 300 ft. high.

74.00 Bottom of narrow gap between high butte to the E. and high butte to the W., bears N.15°W and S.15°E.

80.00 True point for the cor. of secs. 27, 28, 33, and 34.

Land, all sandstone ledges.

Soil, shallow, loose sand; 4th rate.

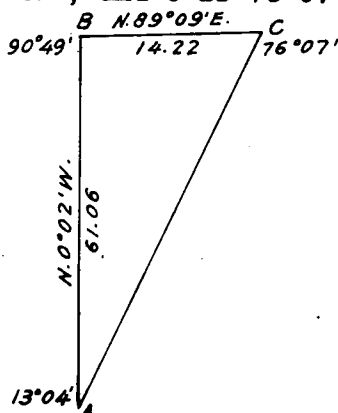
Undergrowth, scattered black and sage brush.

Timber, scrub pinon and juniper.

Land inaccessible to grazing.

N.0°02'W., between secs. 27 and 28.

The point for the cor. of secs. 27, 28, 33, and 34, falls on inaccessible S. face of butte, and the line to the N. of this point passes over top of butte, and the inaccessible S. face of high reef. To determine the distance to top of reef, I triangulate, as follows: erect flag A at a point S.0°02'E. 43.21 chs. distant from the true point for sec. cor; erect flag B on line to the N., at top of reef, and from B survey base line BC N.89°09'E., 14.22 chs. dist.; base line double chained and the following angles check by repetition. Angle A is 13°04', B is 90°49', and C is 76°07'.



Distance by triangulation, - - - - - 61.06 chs.

Distance from point A to true point for cor. of secs. 27, 28, 33, and 34, - - - - - 43.21 chs.

17.85 chs.

1.60 Approximate distance; top of sandstone butte, 350 ft. above witness cor. to the cor. of secs. 27, 28, 33, and 34.

6.50 Approximate distance; bottom of N. butte, and base of high, inaccessible S. face of reef, 300 ft. below top of butte.

17.85 To point B of triangulation at top of reef, 450 ft. above base, bears NW. and SE.; descend abrupt N. slope of reef.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

24.00 Sandstone gulch, 300 ft. below top of reef, drains
N. 50° E. from the W.; ascend abrupt S. slope.

38.70 Sandstone spur, 200 ft. above gulch, projects E., about
10 chains distant to end; descend gradual N. slope.

40.00 On gradual N. slope, 20 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in
the ground to solid rock, and in a large mound of stone,
for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S28 | S27
1939

from which

A pinon, 14 ins. diam., bears S. 62° E., 86 lks.
dist., marked $\frac{1}{4}$ S27 BT.

A pinon, 6 ins. diam., bears S. 43° W., 31 lks.
dist., marked BT. Tree too scrubby for other marks.

45.50 Sandstone draw, 100 ft. below the $\frac{1}{4}$ sec. cor., drains
N. 30° E.; ascend abrupt ledgy SE. slope.

55.00 Top of high sandstone reef and spur, 220 ft. above draw,
projects E.; descend broken N. slope.

75.20 Draw, 230 ft. below spur, drains NE.; ascend ledgy SE.
slope.

80.00 On ledgy SE. slope, 70 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in
the ground to solid rock, and in a large mound of stone
to top, for cor. of secs. 21, 22, 27, and 28, with brass
cap marked

T27S R5E
S21 | S22
S28 | S27
1939

deposit a
sandstone, 10x10x8 ins., at base of post, marked X.

No suitable bearing trees available.

Land, broken shale and sandstone ledges.
Soil, shallow, loose sand and clay; 4th rate.
Undergrowth, sage and black brush, shadscale and weeds.
Timber, scrub juniper and pinon.
Poor grazing land.

East, on random line, between secs. 22 and 27.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect the N. and S. line, 9 lks. N. of the cor. of
secs. 22, 23, 26, and 27.

Thence

N. 89° 56' W., on true line, between secs. 22 and 27.

Ascend broken SE. slope, through scattered timber

SUBDIVISION OF T. 27 S., R. 5 E.

Chains	and undergrowth.
1.20	Top of low butte on sandstone reef, 20 ft. above corner bears NE. and SW.; descend SW. slope of butte.
6.80	Base of descent from butte, 40 ft. below top, bears NE. and SW.; ascend gradual NE. slope.
40.00	On gradual NE. slope, 180 ft. above sec. cor. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked <div style="text-align: center;"> $\frac{1}{4}$ $\begin{array}{r} S\ 22 \\ S\ 27 \\ 1939 \end{array}$ </div> <p style="text-align: right;">from which</p> <p>A pinon, 10 ins. diam., bears S.31°E., 37 lks. dist., marked BT. Tree too scrubby for other marks.</p> <p>No other bearing trees available.</p>
70.60	Low spur, 210 ft. above the $\frac{1}{4}$ sec. corner, slopes NE.; descend gradually.
75.70	Draw, 130 ft. below spur, drains NE.; ascend steep SE. slope.
80.00	The cor. of secs. 21, 22, 27, and 28, 110 ft. above draw. Land, broken sandstone ledges and shale breaks. Soil, shallow, loose, sand and clay; 4th rate. Undergrowth, sage and black brush, mountain rush, and weeds. Timber, scrub juniper and pinon. Poor grazing land.
	N.0°02'W., between secs. 21 and 22. Ascend abrupt SE. slope of broken land, through scattered timber and undergrowth.
34.10	Top of S. rim of large sandstone and shale draw, 300 ft. above corner, bears E. and W., 10.00 chains distant, thence S.; descend abrupt ledgy N. slope.
38.30	On S. bank of wash, in bottom of draw, 220 ft. below top of rim. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 21 and 22, with brass cap marked <div style="text-align: center;"> $\begin{array}{c} W\ C \\ \frac{1}{4} \\ S21\ S22 \\ 1939 \end{array}$ </div> <p style="text-align: right;">from which</p> <p>A juniper, 8 ins. diam., bears S.64°W., 37 lks. dist., marked WC $\frac{1}{4}$ S21 BT</p> <p>No other bearing tree available.</p>

SUBDIVISION OF T. 27 S., R. 5 E.

Chains	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.										
38.80	Wash, 50 lks. wide, 4 ft. deep, in bottom of large draw, drains E.; ascend abrupt S. slope of shale breaks.										
40.00	True point for the $\frac{1}{4}$ sec. cor. secs. 21 and 22, falls on abrupt S. slope of shale breaks, where it is impossible to set a permanent corner.										
43.80	Top of N. rim of draw, 260 ft. above bottom, bears E. and W.; descend ledgy N. slope.										
77.90	On S. bank of wash, in sandstone draw, bears E. and W.										
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for witness cor. to the cor. of secs. 15, 16, 21, and 22, with brass cap marked										
	<table> <tr> <td colspan="2">W C</td></tr> <tr> <td>T27S</td><td>R5E</td></tr> <tr> <td>S16</td><td>S15</td></tr> <tr> <td>S21</td><td>S22</td></tr> <tr> <td colspan="2">1939</td></tr> </table>	W C		T27S	R5E	S16	S15	S21	S22	1939	
W C											
T27S	R5E										
S16	S15										
S21	S22										
1939											
	raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.										
	No suitable bearing trees available.										
78.10	Wash, 30 lks. wide, 6 ft. deep, in bottom of channel of Polk Creek, 260 ft. below top of reef, drains E.; small seeps of alkali water found along bottom of wash; ascend abrupt S. slope of shale breaks.										
80.00	True point for the cor. of secs. 15, 16, 21, and 22, falls on abrupt S. slope of shale breaks, where it is impossible to set a permanent corner.										
	Land, broken sandstone ledges and shale breaks. Soil, shallow sand and clay; 4th rate. Undergrowth, sage and black brush, shadscale and mountain rush. Timber, scrub juniper and pinon. Poor grazing land.										
	From the true point for the corner of secs. 15, 16, 21, and 22.										
	S.89°56'E., on random line, between secs. 15 and 22.										
40.00	Set temp. $\frac{1}{4}$ sec. cor.										
79.88	Intersect the N. and S. line, 5 lks. S. of the corner of secs. 14, 15, 22, and 23.										
	Thence										
	N.89°58'W., on true line, between secs. 15 and 22.										
	Ascend gradually over broken SE. slope of broken land, through scattered timber and undergrowth.										
39.94	On top of N. rim of Polk Creek, 140 ft. above sec. cor., bears N.80°W. and S.80°E.										
	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, and in a large mound of stone										

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

to top; for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$ $\frac{S\ 15}{S\ 22}$

1939

deposit a sandstone, 10x10x8 ins., at base of post, marked X.

No suitable bearing trees available.

Thence along broken S. face of the N. breaks of Polk Creek.

79.88

The true point for the cor. of secs. 15, 16, 21, and 22, which is N.0°02'W., 2.10 chains distant, from the witness corner to the cor. of said secs. 150 ft. below the $\frac{1}{4}$ sec. corner.

Land, broken shale and sandstone breaks.

Soil, shallow clay and sand, 4th rate.

Undergrowth, sage and black brush, shadscale and mountain rush.

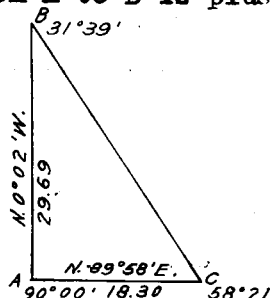
Timber, scrub juniper and pinon.

Poor grazing land.

From the true point for the cor. of secs. 15, 16, 21, and 22, which is N.0°02'W., 2.10 chains distant from the witness cor. to the cor. of said secs.

N.0°02'W., between secs. 15 and 16.

The line to the N. of the true point for cor. ascends the steep S. face of inaccessible shale breaks, over which it is impossible to chain, I therefore determine the distance by triangulation, as follows: erect flag A at a point S.0°02'E. 22.70 chains distant from the true point for sec. cor., and flag B on line to the N. From A survey base line AC N.89°58'E. 18.30 chains distant. Base line double chained, and the following angles checked by repetition. Angle A is 90°00', B is 31°39', and C is 58°21'. The vertical angle from A to B is plus 1°10'.



Distance by triangulation, - - - - - 29.69 chs.

Distance from A to point for sec. cor., - - - 22.70 chs.

6.99 chs.

6.99

To point B of triangulation, at top of breaks of Polk Creek, and top of spur, 370 ft. above the true point for sec. cor., projects E. from the NW.; descend steep ledgy N. slope.

40.00

At base of ledges, 300 ft. below spur, bears E. and W.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. corner with brass cap marked

Chains

	<p>at 11 1/2 miles from the corner of sec. 9, 10, 15, and 16, 1939</p> <p>from which</p> <p>A juniper limb, 6 ins. diam., bears N.1°10'E., 378 lks. dist., marked 1/4 S15 BT</p> <p>No other bearing tree available.</p> <p>Thence over rolling land.</p>								
54.60	Base of abrupt ascent over nearly inaccessible S. face of red sandstone ledge, bears E. and W.								
78.00	Sandstone spur, 380 ft. above base of ledges, projects E. 6.00 chains distant to end; descend abrupt N. slope.								
80.00	True point for the cor. of secs. 9, 10, 15, and 16, falls in bottom of sandstone gorge, 140 ft. below spur, drains S.60°E., where it is impossible to set a cor.								
81.00	On steep broken S. slope of sandstone ledges, 100 ft. above bottom of gorge.								
	<p>Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for witness cor. to the cor. of secs. 9, 10, 15, and 16, with brass cap marked</p> <table border="1"> <tr> <td>T27S</td><td>R5E</td></tr> <tr> <td>S9</td><td>S10</td></tr> <tr> <td>S16</td><td>S15</td></tr> <tr> <td>WC</td><td></td></tr> </table> <p>1939</p> <p>raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, broken sandstone and shale breaks. Soil, shallow, loose sand and clay; 4th rate. Undergrowth, sage and black brush, shadscale and mountain rush. Timber, scrub juniper and pinon. Poor grazing land.</p>	T27S	R5E	S9	S10	S16	S15	WC	
T27S	R5E								
S9	S10								
S16	S15								
WC									
	<p>From the true point for the cor. of secs. 9, 10, 15, and 16.</p> <p>S.89°58'E., on random line, between secs. 10 and 15.</p>								
40.00	Set temp. 1/4 sec. cor.								
79.98	Intersect the N. and S. line, 5 lks. S. of the cor. of secs. 10, 11, 14, and 15.								
	<p>Thence</p> <p>West, on true line, between secs. 10 and 15.</p> <p>Ascend gradual NE. slope of broken land, through scattered timber and undergrowth.</p>								
13.00	Top of high sandstone reef, faces SW., 70 ft. above cor., bears N.80°W. and S.80°E.; leave timber, bears with top of reef; descend abruptly along broken SW. face of reef.								
39.99	On broken ledgy SW. slope, 270 ft. below top of reef.								

SUBDIVISION OF T. 27 S., R. 5 E.

entire

Chains

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$ $\frac{S\ 10}{S\ 15}$
1939

from which

A juniper, 7 ins. diam., bears S.79°E., 205 lks. dist., marked $\frac{1}{4}$ S15 BT

A juniper, 6 ins. diam., bears N.61°30'W., 50 lks. dist., marked $\frac{1}{4}$ S10 BT

51.30 Wash, 15 lks. wide, 4 ft. deep, in draw at base of reef, 50 ft. below the $\frac{1}{4}$ sec. corner, drains SE.; ascend rocky NE. slope.

53.00 Trail, bears NW. and SE.

54.00 Ascent becomes more abrupt, bears NW. and SE.

60.20 Spur, 150 ft. above draw, slopes SE.; ascend gradually along broken S. face of breaks.

60.60 Old brush fence, bears N.47°30'E. 7.00 chains to the end, and S.47°30'W. 3.00 chains to end.

79.98 The true point for the cor. of secs. 9, 10, 15, and 16, 220 ft. above spur.

Land, broken sandstone breaks.

Soil, shallow sand and clay, with a rocky surface; 4th rate.

Undergrowth, sage and black brush, mountain rush, and shadscale.

Timber, scrub juniper and pinon on E. portion of mile.

Fair grazing land.

From the true point for the cor. of secs. 9, 10, 15, and 16.

N.0°02'W., between secs. 9 and 10.

Ascend abrupt S. face of N. breaks of small gorge.

0.50 Top of N. rim of gorge, 60 ft. above corner, bears E. and W.; thence ascend abrupt S. face of S. breaks of high bench to the N.

1.00 The witness cor. to the cor. of secs. 9, 10, 15, and 16.

9.60 Top of S. rim of high bench, 260 ft. above true point for sec. cor., bears N.40°E. and S.20°W.; thence over broken top of high bench land, through dense timber and scattered undergrowth.

18.50 Trail, bears E. and W.

23.70 From this point, a small spring of good water, bears East, 14.60 chains distant. Spring is in a small pole fenced inclosure, and flows a small stream S.20°E. 30 lks. distant to a watering trough, 12 ft. long, 2 ft. wide.

35.80 Top of SE. breaks of head of gulch to the W., bears W.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

and E. 5.00 chains distant, thence N.; descend gradually along broken W. face of breaks.

40.00 On broken W. face of breaks, 40 ft. below top of reef.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$
 S9 | S10
 1939

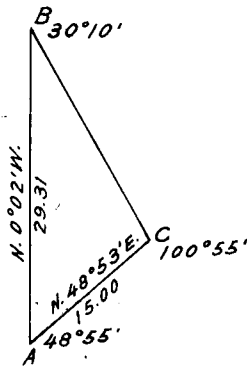
from which

A pinon, 8 ins. diam., bears N.42°E., 10 lks. dist., marked $\frac{1}{4}$ S10 BT

A pinon, 6 ins. diam., bears S.35°W., 324 lks. dist., marked $\frac{1}{4}$ S9 BT

From this corner a small seep of good water, in bottom of deep gulch, draining N., bears N.45°W, about 18.00 chains distant.

50.69 Top of point on E. rim of reef, bears N.10°E. and S.10°E. High vertical ledges make chaining to the N. of this point impossible, I therefore determine the distance by triangulation, as follows: erect flag A at this point, and flag B on line to the N. From A survey base line AC N.48°53'E, 15.00 chains distant. Base line double chained, and the following angles checked by repetition. Angle A is 48°55', B is 30°10', and C is 100°55'. The vertical angle from A to B is minus 10°45'.



Distance on line, - - - - -	50.69 chs.
Distance by triangulation, - - - - -	29.31 chs.
	80.00 chs.
Distance by return measurement, - - - - -	16.00 chs.
	64.00 chs.

64.00 Base of sandstone breaks, 370 ft. below top, bears N.10°E. and S.10°W.; thence over broken and rolling N. slope.

80.00 To point B of triangulation; on rolling N. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for corner of secs. 3, 4, 9, and 10, with brass cap marked

T27S | R5E
 S4 | S3
 S9 | S10
 1939

from which

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

A juniper, 12 ins. diam., bears N. 8° W., 410 lks. dist., marked T27S R5E S4 BT

No other bearing trees available.

Land, rolling and broken.

Soil, deep and shallow clay and sand, with a rocky surf 4th rate.

Undergrowth, sage and black brush, shadscale, mountain rush and weeds.

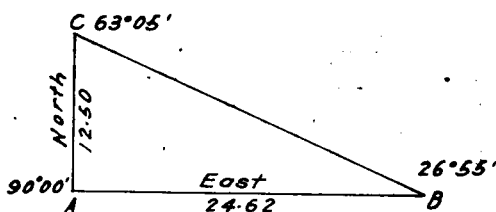
Timber, scrub juniper and pinon.

Fair grazing land.

East, on random line, between secs. 3 and 10.

10.78 Leave flag point.

30.00 Base of inaccessible reef, over which I am unable to chain, I therefore triangulate to top of reef, as follows: erect flag A at the 10.78 chains point, and flag B on line E. From A survey base line AC N. 12.50 chains distant. Base line double chained, and the following angle checked by repetition: angle A is 90° 00', B is 26° 55', and C is 63° 05'. The vertical angle from A to B is plus 7° 45'.



Distance on line, - - - - -	10.78 chs.
Distance by triangulation, - - - - -	24.62 chs.
	<u>35.40 chs.</u>

35.40 To point B of triangulation.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect the cor. of secs. 2, 3, 10, and 11.

Thence

West, on true line, bet. secs. 3 and 10.

Descend gradual SW. slope of broken land, through scattered timber and undergrowth.

7.50 Draw, 20 ft. below corner, drains SE.; ascend broken NE. slope.

32.00 Top of low spur on NE. slope, 200 ft. above draw, slopes N.; descend broken W. slope.

40.00 On broken W. slope, 80 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ 85
810

1959

deposit a

SUBDIVISION OF T. 27 S., R. 5 E.

Chains	sandstone, 12x10x10 ins., at base of post, marked X. No suitable bearing trees available.
22.51	To point B of triangulation at top of vertical sandstone ledge, and E. rim of reef, bears N. and S.; descend abruptly over inaccessible ledges.
44.60	
50.00	Base of reef, 230 ft. below top, bears N. and S.; thence over rolling land.
69.22	To point A of triangulation.
80.00	The cor. of secs. 3, 4, 9, and 10. Land, broken sandstone ledges and rolling bench land. Soil, deep and shallow clay and sand; 4th rate. Undergrowth, sage and black brush, shadscale, mountain rush and weeds. Timber, scrub juniper and pinon. Poor grazing land.
	N.0°02'W., on true line, between secs. 3 and 4. Over rolling land, through scattered timber and undergrowth.
6.60	Large main wash, 110 lks. wide, 10 ft. deep, drains E.
11.70	Small stream of alkali water, in bottom of wash, 100 lks. wide, 1 ft. deep, drains SE.; ascend gradual S. slope.
26.00	Low spur from bench to the W., 70 ft. above stream, slopes E.; descend gradual NE. slope.
40.00	On broken land, 70 ft. below spur. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked <div style="text-align: center;"> $\frac{1}{4}$ S4 S3 1939 </div> <div style="text-align: right;">from which</div> <p>A pinon, 10 ins. diam., bears N.37°45'E., 44 lks. dist., marked $\frac{1}{4}$ S3 BT</p> <p>A pinon, 8 ins. diam., bears N.57°45'W., 158 lks. dist., marked $\frac{1}{4}$ S4 BT</p> <p>From this corner the top of sandstone butte, about 200 ft. high, bears N.45°15'W. 5.00 chains distant.</p> <p>The top of sandstone butte, about 150 ft. high, bears N.63°15'W., about 15.00 chains distant.</p> <p>The top of sharp point on sandstone butte, about 150 ft. high, bears N.51°E. about 4.00 chains distant.</p> <p>The top of sandstone butte, about 200 ft. high, bears N.75°00'E. about 8.50 chains distant.</p> <p>Thence through narrow gap between buttes.</p>
65.40	Wash, 30 lks. wide, 4 ft. deep, in bottom of shallow draw, drains S.70°E.
74.20	Trail, bears NW. and SE.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

84.13

Intersect the N. bdy. of the township, 12.30 distant from the corner of secs. 33 and 34, T. 26 S., R. 5 E., heretofore described.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for closing corner of secs. 3 and 4, with brass cap marked

T26S R5E
S34

S4 S3
T27S R5E

CC

1939

from which

A pinon, 9 ins. diam., bears S.5°E., 58 lks.
dist., marked T27S R5E S3 CC BT

A pinon, 9 ins. diam., bears S.28°W., 18 lks.
dist., marked BT. Tree too scrubby for other marks.

Land, rolling.

Soil, deep and shallow sand and clay, with a rocky surface; 4th rate.

Undergrowth, sage and black brush, mountain rush, yellow top and weeds.

Timber, scrub juniper and pinon.

Fair grazing land.

From the corner of secs. 4, 5, 32, and 33, on the S. bdy. of the township, an iron post, 2 ins. diam., set, marked and witnessed, as described in the official record of the survey of T. 28 S., R. 5 E., Group 76, Utah.

N.0°03'W., between secs. 32 and 33.

Over rolling land, between high sandstone buttes, through medium dense timber and scattered undergrowth.

21.60 Base of abrupt ascent over steep S. slope of ridge, bears NW. and SE.

33.70 Top of ridge, 170 ft. above base, bears NW. and SE.; descend steep NE. slope.

40.00 On broken land, 20 ft. below top of ridge.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S32 S33
1939

from which

A pinon, 12 ins. diam., bears S.84°E., 145 lks.
dist., marked $\frac{1}{4}$ S33 BT

A juniper, 6 ins. diam., bears S.52°W., 21 lks.
dist., marked $\frac{1}{4}$ S32 BT

40.60 Top of S. rim of S. breaks of Deep Creek Canyon, bears NW. and SE.; descend abrupt ledgy NE. slope.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

- 53.50 Deep Creek, stream of good water, 10 lks. wide, 5 ins. deep, in bottom of deep canyon, 370 ft. below the $\frac{1}{4}$ sec. cor., flows S.60°E.; ascend abrupt S. face of sandstone butte.
- 54.00 Top of butte, 120 ft. above stream; descend abrupt NW. slope.
- 59.20 Base of descent from butte, 100 ft. below top, bears NW. and SE.; ascend gradual S. slope.
- 74.80 Base of abrupt ascent over SE. face of sandstone butte.
- 77.00 Slope changes from steep SE. slope to a steep E. slope.
- 80.00 On steep E. face of sandstone butte, 170 ft. above base; mark a cross (X) on the surface rock, over which
- Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone to top, for cor. of secs. 28, 29, 32, and 33, with brass cap marked

T27S	R5E
S29	S28
S32	S33

1939

from which

A point on face of sandstone surface rock, marked X BO S28, bears N.50°E., 25 lks. dist.

A point on face of sandstone surface rock, marked X BO S32, bears S.20°W., 12 lks. dist.

A point on face of sandstone surface rock, marked X BO S29, bears N.10°W., 7 lks. dist.

No other accessories available.

Land, broken and rolling.

Soil, shallow, loose sand; 4th rate.

Undergrowth, sage and black brush, shadscale, and cactus.

Timber, juniper and pinon.

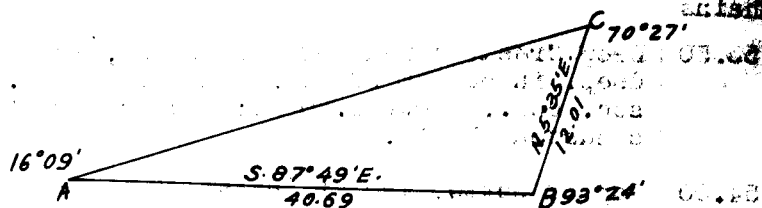
Fair grazing land.

East, on random line, between secs. 28 and 33.

The line to the E. of the cor. of secs. 28, 29, 32, and 33, passes over the tops of high inaccessible buttes, and along the S. face of inaccessible ledges, over which it is impossible to chain or to project a line. To determine the course and distance of the line between secs. 28, and 33, I run on offsets and traverses from the cor. of secs. 28, 29, 32, and 33, as follows: East, 16 lks.; South, 77 lks.; S.87°49'E. 40.69 chs. The last course and distance passes over inaccessible ledges, over which it is impossible to chain, and was determined by triangulation, as follows: erect flag A at the W. end of course, and flag B at the E. end. From B survey base line BC N.5°35'E. 12.01 chains distant. Base line double chained, and the following angles checked by repetition: angle A is 16°09', B is 93°24', and C is 70°27'.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains



Distance by triangulation, S. 87°49' E., 40.69 chs.

At this point, set temporary witness cor. to the $\frac{1}{4}$ sec. cor. secs. 28 and 33.

Thence, from the temp. $\frac{1}{4}$ sec. corner, continue on travel lines, as follows

West, 86 lks.; North, 15.27 chs.; S. 62°30' E., 19.90 chs.; S. 52°30' E., 28.30 chs.; N. 0°02' W., 13.62 chs., to the true point for the cor. of secs. 27, 28, 33, and 34, which is N. 0°02' W., 4.55 chs. dist. from the witness cor. to the cor. of said secs.

The course of the line between secs. 28 and 33, therefore is S. 89°54' W., and the distance is 80.06 chs.

Thence

From the true point, for the cor. of secs. 27, 28, 33, and 34.

S. 89°54' W., on true line, between secs. 28 and 33, giving approximate distance to topography on true line.

True line descends the abrupt W. face of butte, through scattered timber and undergrowth.

- 5.20 Base of descent from butte, 250 ft. below top, bears N. and S.; thence descend gradually over ledgy SW. slope.
- 16.50 Deep sandstone gulch, with high, vertical walls, 350 ft. below point for corner, drains SE.; ascend abrupt E. face of high sandstone butte.
- 24.00 Top of high, inaccessible sandstone butte, 500 ft. above gulch; descend abrupt W. face of butte.
- 34.50 Base of butte, 40 ft. below top, bears N. and S.; descend broken ledgy W. slope.
- 40.03 True point for the $\frac{1}{4}$ sec. cor. falls on vertical W. face of ledge, where it is impossible to reach the true corner point.
- 40.40 At a point 2.39 chs. N. and 79 lks. W. of flag A of triangulation on random line, which point is on true line.
- Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, and in a large mound of stone to top, for witness corner to the $\frac{1}{4}$ sec. cor. secs. 28 and 33, with brass cap marked

$\frac{1}{4}$ S 28
S 33 WC
1939

from which

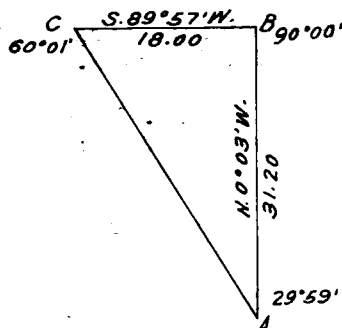
A pinon, 12 ins. diam., bears S. 34° E., 48 lks. dist., marked WC $\frac{1}{4}$ S33 BT ✓

SUBDIVISION OF T. 27 S., R. 5 E.

Chains	<p>A point on S. end of large sandstone boulder, marked WC $\frac{1}{4}$ S28 X B0, bears N.13°45'W., 28 lks. dist.</p> <p>60.00 Base of descent, 120 ft. below the witness cor. to the $\frac{1}{4}$ sec. cor., bears N. and S.; thence along S. slope of ledges.</p> <p>72.00 Base of abrupt ascent over broken E. face of butte, bears N. and S.</p> <p>80.06 The cor. of secs. 28, 29, 32, and 33, 250 ft. above base of ascent.</p> <p>Land, broken sandstone ledges. Soil, shallow, loose sand in the depressions of the sandstone; 4th rate. Undergrowth, blackbrush and mountain rush. Timber, juniper and pinon. Land inaccessible to grazing.</p>
	<p>N.0°03'W., between secs. 28 and 29.</p> <p>Ascend steep SE. face of sandstone butte.</p> <p>1.80 Top of butte, 50 ft. above corner; descend abrupt N. slope.</p> <p>9.90 Base of descent from top of butte, 310 ft. below top, bears E. and W.; thence over broken land through scattered timber and undergrowth.</p> <p>18.30 Bottom of large sandstone gulch, 400 ft. below top of butte, drains S.80°E.; ascend gradually along SW. slope. of high reef to the N.</p> <p>40.00 On broken SW. slope of ledges, 70 ft. above draw.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked</p> <div style="text-align: center;"> <p>$\frac{1}{4}$</p> <p>S29 S28</p> <p>1939</p> <p>from which</p> </div> <p>A pinon, 12 ins. diam., bears N.86°E., 67 lks. dist., marked $\frac{1}{4}$ S28 BT</p> <p>A pinon, 14 ins. diam., bears S.47°W., 60 lks. dist., marked $\frac{1}{4}$ S29 BT</p>
45.00	<p>Base of vertical sandstone ledge of high reef to the N., bears NW. and N.80°E., over which it is impossible to chain, I therefore determine the distance to top of reef by triangulation, as follows: erect flag A at a point N.0°03'W., 18.69 chains distant from the cor. of secs. 28, 29, 32, and 33, and flag B on line to the N. From B survey base line BC S.89°57'W. 18.00 chains distant. Base line double chained, and the following angles checked by repetition: angle A is 29°59', B is 90°00', and C is 60°01'. The vertical angle from A to B is plus 11°30'.</p>

SUBDIVISION OF T. 27 S., R. 5 E.

Chains



Distance on line, - - - - - 18.69 chs.
Distance by triangulation, - - - - - 31.20 chs.
49.89 chs.

49.89 To point B of triangulation, at top of high sandstone divide reef, 420 ft. above bottom of sandstone gulch, bears E. and W. 6.00 chains distant, thence SW.; descend gradually over broken N. slope of reef.

54.00 Draw, 120 ft. below top of reef, drains NE.; ascend gradual SE. slope.

60.00 Spur, 90 ft. above draw, projects N. 10° E.; thence descend gradually along broken W. slope of spur.

80.00 On broken W. slope of spur, 150 ft. below top.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for cor. of secs. 20, 21, 28, and 29, with brass cap marked

T27S	R5E
S20	S21
S29	S28
1939	

from which

A pinon, 8 ins. diam., bears N. 77° E., 54 lks. dist., marked T27S R5E S21 BT

A pinon, 6 ins. diam., bears S. 48° E., 117 lks. dist., marked BT. Tree too scrubby for other marks.

A yellow pine, 10 ins. diam., bears S. 15° W., 77 lks. dist., marked T27S R5E S29 BT

No bearing tree in sec. 20 available.

Land, broken sandstone ledges.
Soil, shallow, loose sand; 4th rate.
Undergrowth, sage and black brush, mountain rush and weeds.
Timber, scrub juniper, ^{pinion} and yellow pine.
Land inaccessible to grazing.

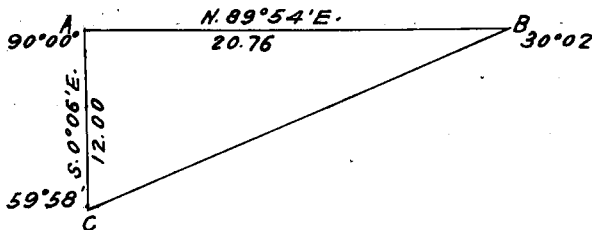
N. 89° 54' E., on random line, between secs. 21 and 28.

7.32 The breaks of deep sandstone gulch make chaining to the E. of this point impossible, I therefore determine the distance by triangulation, as follows: erect flag A at this point, and flag B on line to the E. From A survey base line AC S. 0° 06' E. 12.00 chains distant. Base line double chained, and the following angles checked by repetition. Angle A is 90° 00', B is 30° 02', and C is 59° 58'.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

No difference in elevation from A. to B.



Distance on line, - - - - - 7.32 chs.
Distance to point B of triangulation- - - - 20.76 chs.
28.08 chs.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect the N. and S. line, 14 lks. N. of the cor. of secs. 21, 22, 27, and 28.
- Thence
- West, on true line, between secs. 21 and 28.
- Ascend gradual E. slope of broken land, through scattered timber and undergrowth.
- 7.00 Spur, 150 ft. above corner, projects N.10°E.; descend steep W. slope.
- 18.30 Bottom of sandstone gulch, 150 ft. below spur, drains N.; ascend steep E. slope.
- 35.40 Top of sandstone reef, 300 ft. above gulch, faces E., and bears N.20°E. and S.20°W.; thence over broken top of reef.
- 40.02 On gradual N. slope of broken top of reef.
- Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked
- $\frac{1}{4}$ $\frac{S\ 21}{S\ 28}$
1939
- from which
- A Douglas fir, 15 ins. diam., bears N.50°15'E., 104 lks. dist., marked $\frac{1}{4}$ S21 BT
- A pinon, 12 ins. diam., bears S.26°15'W., 42 lks. dist., marked $\frac{1}{4}$ S28 BT
- 51.96 Top of sandstone reef faces SW., and bears NW. and SE.; thence descend abrupt inaccessible face of reef.
- 62.00 Approximate distance; bottom of deep sandstone gulch, with high, vertical sandstone walls, 350 ft. below rim, drains N.; ascend steep E. inaccessible E. face of ledges.
- 69.00 Distance determined by measurement from point A of triangulation; sandstone spur, 250 ft. above gulch, projects N.10°E.; thence over gradual N. slope.
- 75.50 Descent becomes more abrupt, bears NE. and SW.
- 80.04 The cor. of secs. 20, 21, 28, and 29, 60 ft. below spur.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

Land, broken sandstone ledges and shale breaks.
Soil, shallow, loose sand and clay; 4th rate.
Undergrowth, sage and black brush, mountain rush,
and weeds.
Timber, juniper and pinon, and a few Douglas fir and
yellow pine.
Poor grazing land.

N.0°93'W., between secs. 20 and 21.

Descend abruptly over ledgy NW. slope, through
scattered timber and undergrowth.

- 4.00 Sandstone gulch, 50 ft. below corner, drains NE.;
ascend abrupt SE. slope.
- 12.00 Spur, 110 ft. above draw, projects NE.; descend
abrupt NW. slope.
- 20.00 Draw, 120 ft. below spur, drains N.60°E.; ascend
ledgy SE. slope.
- 33.50 Spur, 300 ft. above draw, projects S.80°E.;
descend abrupt NW. slope.
- 40.00 On abrupt NW. slope, 160 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$
 S20 | S21
 1939

from which

A pinon, 6 ins. diam., bears S.78°E., 78 lks.
dist., marked $\frac{1}{4}$ S21 BT

A pinon, 5 ins. diam., bears S.63°W., 24 lks.
dist., marked $\frac{1}{4}$ S20 BT

- 41.10 Large draw, 90 ft. below the $\frac{1}{4}$ sec. corner, drains
S.60°E.; ascend steep S. slope.
- 44.60 Spur, 90 ft. above draw, projects S.70°E.;
descend steep N. slope.
- 76.00 Draw, 90 ft. below spur, drains E.; ascend S. slope.
- 78.50 Small spur, 50 ft. above draw; projects SW.;
descend steep NW. slope.
- 80.00 On steep NW. slope, 30 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground to solid rock, and in a large mound of stone
to top, for cor. of secs. 16, 17, 20, and 21, with brass
cap marked

T27S | R5E
 S17 | S16
 ———
 S20 | S21
 1939

from which

A pinon, 10 ins. diam., bears N.48°15'E., 155 lks.
dist., marked T27S R5E S16 BT

SUBDIVISION OF T. 27 S., R. 5 E.

	<p>A pinon, 5 ins. diam., bears S.2°45'E., 27 lks. dist., marked BT</p> <p>A pinon, 12 ins. diam., bears S.70°W., 219 lks. dist., marked T27S R5E S20 BT</p> <p>A pinon, 12 ins. diam., bears N.35°W., 103 lks. dist., marked T27S R5E S17 BT</p> <p>Land, broken sandstone ledges and shale breaks. Soil, shallow, loose sand and clay, with a rocky surface; 4th rate. Undergrowth, sage and black brush, mountain rush, and weeds. Timber, juniper and pinon. Poor grazing land.</p>
42.37	<p>East, on random line, between secs. 16 and 21.</p> <p>Set temp. witness corner to the $\frac{1}{4}$ sec. cor.</p>
80.00	<p>Intersect the true point for the cor. of secs. 15, 16, 21, and 22, which is N.0°02'W., 2.10 chains distant, from the witness cor. to the cor. of said secs.</p> <p>Thence, from the true point for corner</p> <p>West, on true line, between secs. 16 and 21.</p> <p>Descend gradually along broken N. breaks of sandstone gulch, through scattered timber and undergrowth.</p>
9.00	<p>Bottom of gulch, 30 ft. below true point for sec. corner, drains S.80°E.; ascend ledgy NE. slope.</p>
35.40	<p>Spur, 170 ft. above gulch, projects NE.; descend steep NW. slope.</p>
37.63	<p>On steep NW. slope, 50 ft. below spur.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for witness corner to the $\frac{1}{4}$ sec. cor. secs. 16 and 21, with brass cap marked,</p> <div style="text-align: center;"> $\begin{array}{r} \text{WC } \frac{1}{4} \text{ S } 16 \\ \text{S } 21 \\ 1939 \end{array}$ </div> <p style="text-align: right;">from which</p> <p>A pinon, 8 ins. diam., bears N.50°E., 81 lks. dist., marked WC $\frac{1}{4}$ S16 BT</p> <p>No other suitable bearing tree.</p>
38.90	<p>Draw, 70 ft. below the witness corner to the $\frac{1}{4}$ sec. cor., drains N.60°E.; small seep of alkali water in bottom of draw; ascend abruptly over broken shale breaks.</p>
40.00	<p>True point for the $\frac{1}{4}$ sec. corner falls in shale breaks, where it is impossible to set a corner.</p>
77.60	<p>Low spur, 200 ft. above draw, slopes SW.; descend NW. slope.</p>
80.00	<p>The cor. of secs. 16, 17, 20, and 21, 30 ft. below spur.</p> <p>Land, broken, shale and sandstone ledges and breaks. Soil, shallow clay and sand; 4th rate.</p>

SUBDIVISION OF T. 27 S., R. 5 E.

encl. 23

Chains	Undergrowth, sage and black brush, mountain rush, and weeds. Timber, juniper and pinon. Poor grazing land.
	N.0°03'W., between sections 16 and 17. Descend abrupt NW. slope of broken land, through scattered timber and undergrowth.
15.60	Small stream of good water, in bottom of large main draw, 280 ft. below corner, flows NE.; ascend abrupt led SE. slope.
22.70	Spur, 150 ft. above stream, projects N.85°E.; descend steep N. slope.
31.80	Draw, 190 ft. below spur, drains N.85°E.; ascend steep S. slope.
40.00	On steep S. slope, 250 ft. above draw. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked <div style="text-align: center;">$\frac{1}{4}$ S17 S16 1939</div> <div style="text-align: right;">raise a mound</div> of stone, 3 ft. base, 2 ft. high, W. of cor. No suitable bearing trees available.
50.10	Top of S. rim of high bench, 200 ft. above the $\frac{1}{4}$ sec. corner, bears N.30°E. and W.; descend gradually over broken top of bench.
64.50	Bottom of dry channel of Polk Creek, 100 ft. below S. rim of bench, drains S.85°E.; ascend steep S. slope.
80.00	On S.slope, 50 ft. above channel of Polk Creek. Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 8, 9, 16, and 17, with brass cap marked <div style="text-align: center;">T27S R5E S8 S9 ----- S17 S16 1939</div> <div style="text-align: right;">from which</div> A pinon, 8 ins. diam., bears N.63°45'E., 104 lks. dist., marked T27S R5E S9 BT A pinon, 12 ins. diam., bears S.50°E., 54 lks. dist., marked T27S R5E S16 BT A pinon, 8 ins. diam., bears S.38°45'W., 75 lks. dist., marked T27S R5E S17 BT A pinon, 10 ins. diam., bears N.34°W., 50 lks. dist., marked T27S R5E S8 BT Land, broken. Soil, shallow clay and sand; 4th rate. Undergrowth, sage and black brush, yellow top,

SUBDIVISION OF T. 27 S., R. 5 E.

Chains	mountain rush and weeds. Timber, juniper and pinon. Fair grazing land.
	East, on random line, between secs. 9 and 16.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.12	Intersect the N. and S. line, 5 lks. N. of the true point, for the cor. of secs. 9, 10, 15, and 16, which is S.0°02'E., 1.00 chains distant from the witness cor. to the cor. of said sections. Thence from the true corner point. N.89°58'W., on true line, between secs. 9 and 16. Ascend abrupt SE. breaks of rim of bench to the W.
7.80	Top of SE. rim of bench, 210 ft. above true point for corner, bears N.3.00 chains distant, thence NE. and S. 5.00 chains distant, thence SW.; thence ascend gradually over general E. slope of bench land, through dense timber and scattered undergrowth.
35.60	Trail, bears NE. and SW.
40.06	On gradual SE. slope of bench land, 50 ft. above rim of bench. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked <div style="text-align: center;"> $\frac{1}{4} \begin{array}{r} S\ 9 \\ S\ 16 \\ 1939 \end{array}$ </div> <div style="text-align: right;">from which</div> <div style="text-align: center;"> A pinon, 6 ins. diam., bears S.7°45'W., 38 lks. dist., marked $\frac{1}{4}$ S16 BT A pinon, 14 ins. diam., bears N.84°30'W., 100 lks. dist., marked $\frac{1}{4}$ S9 BT </div>
79.20	Recross trail, bears NW. and SE.
80.12	The cor. of secs. 8, 9, 16, and 17, 140 ft. above the $\frac{1}{4}$ sec. cor. Land, rolling E. slope of bench. Soil, shallow clay and sand, with a rocky surface; 4th rate. Undergrowth, sage, black and bitter brush, mountain rush and weeds. Timber, juniper and pinon. Fair grazing land.
	N.0°03'W., between secs. 8 and 9. Ascend gradually over SE. slope of bench land, through dense timber and scattered undergrowth.
0.90	Trail, bears NW. and S.60°E.
38.80	Top of N. rim of bench, 30 ft. above sec. corner,

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

- bears N.85°E. and S.85°W.; descend abrupt broken N. slope
- 40.00 On broken N. slope of bench, 40 ft. below top.
- Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked
- $\frac{1}{4}$
 S8 | S9
 1939
- from which
- A pinon, 6 ins. diam., bears S.81°45'E., 62 lks. dist., marked $\frac{1}{4}$ S9 BT
- A pinon, 8 ins. diam., bears S.88°W., 10 lks. dist., marked $\frac{1}{4}$ S8 BT
- From this corner a small spring of good water bears N.57°35'E. 19.16 chs. dist.
- 62.80 Base of abrupt descent from bench, bears N.80°W. and S.80°E.; thence descend gradually over rolling land.
- 76.00 Wash, 50 links wide, 15 ft. deep, drains N.70°E.
- 80.00 On gradual N. slope, 550 ft. below the $\frac{1}{4}$ sec. corner.
- Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 4, 5, 8, and 9, with brass cap marked
- T27S | R5E
 S5 | S4
 S8 | S9
 1939
- from which
- A pinon, 3 ins. diam., bears N.63°E., 109 lks. dist., marked BT
- A juniper, 10 ins. diam., bears S.8°45'E., 60 lks. dist., marked BT. Tree too scrubby for other marks
- A juniper, 12 ins. diam., bears S.50°30'W., 103 lks. dist., marked T27S R5E S8 BT
- A pinon, 14 ins. diam., bears N.56°30'W., 55 lks. dist., marked T27S R5E S5 BT
- Land, rolling and broken.
 Soil, shallow clay and sand, with a rocky surface; 4th rate.
 Undergrowth, sage and black brush, shadscale and mountain rush.
 Timber, juniper and pinon.
 Fair grazing land.
- 40.00 S.89°58'E., on random line, between secs. 4 and 9.
- Set temp. $\frac{1}{4}$ sec. cor.
- 79.92 Intersect the N. and S. line, 5 lks. N. of the cor. of secs. 3, 4, 9, and 10.
- Thence

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

59.17 N. 89°56'W., on true line, between secs. 4 and 9.

Over rolling land, through scattered timber and undergrowth.

23.00 From this point the SE. corner of a one room log cabin, belonging to Less Morrell, of Fremont, Utah, bears N.32° 06'W. 6.17 chains distant.

59.96 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$ $\frac{S\ 4}{S\ 9}$
1939

from which

A pinon, 8 ins. diam., bears S.40°30'W., 52 lks. dist., marked $\frac{1}{4}$ S9 BT

A juniper, 8 ins. diam., bears N.48°W., 41 lks. dist., marked $\frac{1}{4}$ S4 BT

70.00 Wash, 50 lks. wide, 15 ft. deep, drains N.70°E.

79.92 The cor. of secs. 4, 5, 8, and 9.

Land, rolling,
Soil, deep, loose sand and clay; 4th rate.
Undergrowth, sage and black brush, weeds and grass.
Timber, juniper and pinon.
Fair grazing land.

N.0°03'W., on true line, between secs. 4 and 5.

Over rolling land, through scattered timber and undergrowth.

17.00 Small stream of alkali water, in large draw, 40 ft. below corner, flows S.75°E.; ascend gradually.

40.00 On rolling land, 150 ft. above stream.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$
S5|S4
1939

from which

A juniper, 6 ins. diam., bears S.21°E., 16 lks. dist., marked $\frac{1}{4}$ S4 BT

A juniper, 12 ins. diam., bears S.39°W., 81 lks. dist., marked $\frac{1}{4}$ S5 BT

48.00 Spur, 40 ft. above the $\frac{1}{4}$ sec. corner, projects E.; descend steep N. slope.

61.00 Wide draw, 260 ft. below spur, drains E.; ascend steep, rocky SE. slope.

83.89 Intersect the N. bdy. of the township, S.89°47'E.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

12.61 chains distant, from the corner of secs. 32 and 33, T. 26 S., R. 5 E., heretofore described.

At point of intersection, on steep SE. slope, 150 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for closing cor. secs. 4 and 5, with brass cap marked

T26S R5E

S33

S5 S4

T27S R5E

CC

1939

deposit a volcanic stone, 10x9x9 ins., at base of post, marked X.

No suitable bearing trees available.

Land, rolling.

Soil, shallow sand and clay; 4th rate.

Undergrowth, black and sage brush, and mountain rush.

Timber, scrub juniper and pinon.

Fair grazing land.

May 17, 1939: stationed at the corner of secs. 5, 6, 31, and 32, on the S. bdy. of the township, an iron post 2 ins. diam., set, marked and witnessed, as described in the official record of the survey of T. 28 S., R. 5 E., Group 76, Utah, in approximate latitude 38°24'N., longitude 111°24'W., at 6h 50m a.m., correct 105th meridian standard time, with instrument No. 18003, I make an hour angle observation on Polaris east of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a point on a ledge about 1½ miles north, in a clockwise direction to the star.

Local mean time of observation, - - - - - 6h 24.4m a.m.

Mean horizontal deflection angle from

point on ledge to star, - - - - - 1° 08'

Azimuth of Polaris, - - - - - 1° 05' W.

True bearing to point on ledge, - - - - - N.0° 03' W.

Thence from the above corner

N.0°03'W., between secs. 31 and 32.

Descend abrupt ledgy NE. slope of mountainous land, through medium dense timber and scattered undergrowth.

17.60 Bottom of sandstone gulch, 560 ft. below corner, drains E.; ascend ledgy S. slope.

40.00 On steep S. slope of sandstone surface rock, 650 ft. above gulch, mark a cross (X), over which

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for ¼ sec. corner, with brass cap marked

S31 S32

1939

from which

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

A pinon, 10 ins. diam., bears N.29°30'E., 19 lks.
dist., marked $\frac{1}{4}$ S32 BT

A pinon, 10 ins. diam., bears S.28°30'W., 41 lks.
dist., marked $\frac{1}{4}$ S31 BT

46.90 Ridge, 90 ft. above the $\frac{1}{4}$ sec. corner, bears E. and W.;
descend abrupt ledgy NE. slope.

66.30 Deep Creek, stream of good water, 10 lks. wide, 5 ins.
deep, in bottom of canyon, 360 ft. below ridge, flows E.;
ascend gradually over sandy S. slope.

77.10 Leave sandy S. slope, and ascend abrupt S. face of
broken sandstone breaks, bears E. and W.

80.00 On broken S. face of ledges, 80 ft. above creek, mark
a cross (X) on the surface rock, over which

Set an iron post, 3 ft. long, 2 ins. diam., in a large
mound of stone to top, for cor. of secs. 29, 30, 31, and
32, with brass cap marked

T27S	R5E
S30	S29
S31	S32
1939	

from which

A yellow pine, 12 ins. diam., bears S.30°E., 126 lks.
dist., marked T27S R5E S32 BT

No other bearing trees available.

Land, broken.

Soil, shallow, loose sand with a rocky surface; 4th rate.
Undergrowth, sage and black brush, mountain rush,
and weeds.

Timber, juniper, pinon and yellow pine.

Fair grazing land.

East, on random line, between secs. 29 and 32.

The line to the E. of the cor. of secs. 29, 30, 31, and
32, passes over the inaccessible S. face of high sand-
stone breaks, over which it is impossible to chain or
project a line, I therefore run on offset line, as follows:

South, 12.50 chains; East, 41.87 chains; North, 12.50
chains, to

41.87 Set temp. witness cor. to the $\frac{1}{4}$ sec. cor. secs 29 and 32.

From the temp. witness cor. to the $\frac{1}{4}$ sec. corner, the
line continues along the inaccessible S. face of breaks, I
therefore run on traverse lines, as follows:

West, 95 lks. South, 2.69 chains; S.23°40'E. 11.50 chs.;

S.87°00'E. 18.30 chains; S.86°15'E. 6.20 chains.

S.87°12'E. 9.96 chains; N.0°03'W. 15.08 chains to the
cor. of secs. 28, 29, 32, and 33.

The course of the line between secs. 29 and 32, therefore
is West, and the distance is 79.94 chains.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

Thence

West, on true line, between secs. 29 and 32, giving approximate distances to topography on true line.

Ascend inaccessible E. face of high sandstone butte.

6.00 Top of butte, 200 ft. above corner; descend abrupt SW. face of butte, and along the inaccessible S. face of high sandstone reef to the N., through scattered timber and undergrowth.

38.07 In bottom of sandstone gorge, 380 ft. below top of sandstone butte, drains S., mark a cross (X) on the surface rock, over which

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for witness corner to the $\frac{1}{4}$ sec. corner secs. 29 and 32, with brass cap marked

WC $\frac{1}{4}$ $\frac{S\ 29}{S\ 32}$
1939

from which

A point on W. face of ledge, marked WC X B0 S29 bears North, 11 links distant.

A point on W. face of sandstone ledge, marked WC X B0 S32, bears S.72°E., 6 links distant.

39.97 True point for the $\frac{1}{4}$ sec. cor. falls on inaccessible W. breaks of gorge, where it is impossible to set a cor

Continue along broken S. face of high reef to the N.

79.94 The cor. of secs. 29, 30, 31, and 32.

Land, broken sandstone ledges.

Soil, shallow, loose sand; 4th rate.

Undergrowth, sage and black brush, mountain rush and weeds.

Timber, juniper, pinon and yellow pine.

Land inaccessible to grazing.

West, on random line, between secs. 30 and 31.

The line to the W. of the cor. of secs. 29, 30, 31, and 32, follows along the inaccessible S. face of ledges, where it is impossible to chain or project a line, I therefore run an offset line, as follows:

South, 6.23 chains; thence West on offset line.

40.90 Offset North, 6.23 chains distant to true random line; set temp. witness corner to the $\frac{1}{4}$ sec. cor.

Thence West, on true random line.

79.62 Intersect the W. bdy. of the township, 9 lks. N. of the corner of secs. 25, 30, 31, and 36, an iron post, 2 ins diam., set, marked and witnessed, as described in the official record of the survey of T. 27 S., R. 4 E., Gro 184, Utah.

Thence

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

N.89°56'E., on true line, between secs. 30 and 31.

Over rolling top of bench land, through scattered timber and undergrowth.

23.30 Top of NE. rim of bench, bears NW. and SE.; descend abrupt NE. slope.

35.20 Deep Creek, stream of good water, 10 lks. wide, 5 ins. deep, in bottom of canyon, 450 ft. below sec. corner, flows S.80°E.; ascend abrupt SW. slope.

38.72 At base of inaccessible ledges, 60 ft. above creek, bears S.80°E. and N.80°W., mark a cross (X), on the surface rock, over which

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for witness corner to the $\frac{1}{4}$ sec. corner secs. 30 and 31, with brass cap marked

$\frac{1}{4}$ S 30 WC
S 31
1939

from which

A Douglas fir, 15 ins. diam., bears S.31°E., 149 lks. dist., marked WC $\frac{1}{4}$ S31 BT

No other bearing tree available.

Thence along the inaccessible S. face of high sandstone ledges to the N., giving approximate distance to topography on true line.

39.62 True point for $\frac{1}{4}$ sec. cor. falls on inaccessible ledges.

37.60 Top of ascent on S. slope of reef, 250 ft. above corner, bears N. and slopes S.; descend along SE. face of reef.

79.62 The cor. of secs. 29, 30, 31, and 32, 230 ft. below top of ascent on S. slope of reef.

Land, broken.

Soil, shallow, loose sand, with a rocky surface; 4th rate.

Undergrowth, sage and black brush, weeds and grass.

Timber, juniper, pinon, yellow pine and Douglas fir.

Fair grazing land on W. portion of mile; E. portion inaccessible to grazing.

N.0°03'W., between secs. 29 and 30.

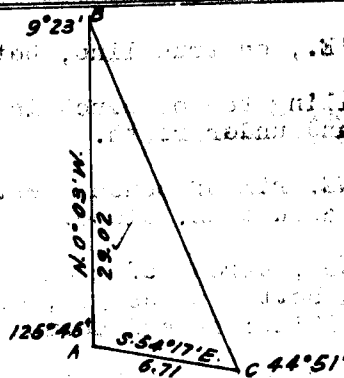
Ascend abrupt S. face of sandstone reef, through scattered timber and undergrowth.

0.50 Top of sandstone reef, 30 ft. above corner, bears NW. and SE.; descend abrupt N. slope of reef.

2.36 The line to the N. of this point, passes over high, vertical sandstone ledges, over which it is impossible to chain, I therefore determine the distance by triangulation, as follows: erect flag A at this point, and flag B on line to the N. From A survey base line AC S.54°17'E. 6.71 chains distant; base line double chained, and the following angles checked by repetition. Angle A is 125°46', B is 9°23', and C is 44°51'. No difference in elevation from A to B

SUBDIVISION OF T. 27 S., R. 5 E.

Chains



Distance on line, - - - - - 2.35 chs.
 Distance to point B of triangulation - 29.02 chs.
31.58 chs.

22.00 Approximate distance; bottom of deep sandstone gulch, with high, vertical walls, 630 ft. below top of reef, drains E.; ascend inaccessible S. face of high sandstone butte.

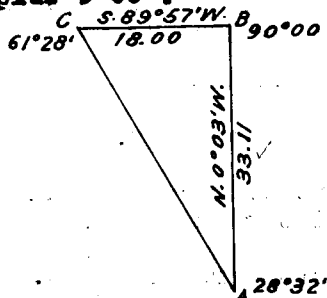
31.38 To point B of triangulation at top of sandstone butte, 630 ft. above gulch; mark a cross (X) on the surface rock, over which

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for witness corner to the corner of secs. 29 and 30, with brass cap marked.

W C
 †
 S30° S29
 1939

No bearing trees available.

The line to the N. of this point crosses the inaccessible breaks of a deep gulch, over which it is impossible to chain, I therefore determine the distance by triangulation, as follows: erect flag A at this point, and flag B on line to the N. From B survey base line BC S. 89° 57' 18.00 chains distant. Base line double chained, and the following angles checked by repetition. Vertical angle from A to B is plus 9° 00'.



Distance on line, - - - - - 31.38 chs.
 Distance to point B of triangulation - - - 33.11 chs.
64.49 chs.

40.00 True point for the $\frac{1}{4}$ sec. cor. falls on inaccessible N. face of ledges, where it is impossible to reach the true point for corner.

51.00 Approximate distance; bottom of deep sandstone gorge, with high, vertical walls, 280 ft. below the witness corner to the $\frac{1}{4}$ sec. corner, drains E.; ascend inaccessible S. face of ledges.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

64.49 To point B of triangulation, at top of high divide reef, 630 ft. above bottom of canyon, and 350 ft. above the witness cor. to the $\frac{1}{4}$ sec. cor., bears E. and W.; descend ledgy N. slope.

80.00 True point for the cor. of secs. 19, 20, 29, and 30, falls on broken NW. face of ledges, 290 ft. below top of reef, therefore at a point East 1.31 chains distant from the true cor. point, on true line between secs. 20 and 29.

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock, and in a large mound of stone to top, for witness cor. to the cor. of secs. 19, 20, 29, and 30, with brass cap marked

	T27S	R5E
	S19	S20
WC	S30	S29
	1939	

from which

A limber pine, 14 ins. diam., bears N.78°30'E., 46 lks. dist., marked BT. Tree too scrubby for other marks.

A limber pine, 12 ins. diam., bears S.14°E., 87 lks. dist., marked WC T27S R5E S29 BT

No other bearing trees available.

Land, broken sandstone ledges.
Soil, shallow, loose sand and rock; 4th rate.
Undergrowth, sage and black brush.
Timber, juniper, pinon, limber and yellow pine.
Land inaccessible to grazing.

From the true point for the corner of secs. 19, 20, 29, and 30,
East on random line, between secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect the cor. of secs. 20, 21, 28, and 29.

Thence

West, on true line, between secs. 20 and 29.

Descend abruptly over broken sandstone ledges, through scattered undergrowth and timber.

3.00 Head of draw, 250 ft. below corner, drains N.; ascend abruptly over nearly vertical ledges.

6.00 Top of W. rim of draw, 200 ft. above bottom, bears N.30°E. and S.30°W.; ascend steep E. slope.

10.60 Spur, 300 ft above draw, projects N.30°E.; descend abrupt NW. slope.

20.10 Draw, 110 ft. below spur, drains NE.; ascend steep ledgy E. slope.

32.30 Spur, 220 ft. above draw, projects N.10°E.; descend gradual NW. slope.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

- 39.95 On gradual NW. slope, 20 ft. below spur.
Set an iron post, 3 ft. long, 1 in. diam., 80 ins. in the ground to solid rock; and in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked
- S 20
 $\frac{1}{4}$
S 29
1939
- from which
- A pinon, 12 ins. diam., bears N.85°E., 14 lks. dist., marked BT. Tree too scrubby for other marks.
- A pinon, 12 ins. diam., bears S.49°W., 71 lks. dist., marked $\frac{1}{4}$ S29 BT
- 48.50 Top of E. rim of gulch, bears NE. and SW., descend abruptly over ledges.
- 50.70 Sandstone gulch, 160 ft. below the $\frac{1}{4}$ sec. corner, drains NE.; ascend abrupt, ledgy SE. slope.
- 62.40 Spur, 360 ft. above gulch, projects NE.; descend ledgy NW. slope.
- 78.59 The witness cor. to the cor. of secs. 19, 20, 29, and 30, 60 ft. below spur.
- 79.90 The true point for the cor. of secs. 19, 20, 29, and 30.
- Land, broken ledges and surface rock.
Soil, shallow, loose sand; 4th rate.
Undergrowth, sage and black brush.
Timber, juniper and pinon.
Land inaccessible to grazing.
- S.89°56'W., on random line, between secs. 19 and 30, from the true point, for the corner of secs. 19, 20, 29, and 30.
- 44.46 Set temp. witness cor. to the $\frac{1}{4}$ sec. cor. secs. 19, and 30.
- 79.40 Intersect the W. bdy. of the township, 12 lks. N. of the cor. of secs. 19, 24, 25, and 30, an iron post, 2 ins. diam., set, marked, and witnessed, as described in the official record of the survey of T. 27 S., R. 4 E., Group 184, Utah.
- Thence
- N.89°51'E., on true line, between secs. 19 and 30.
- Descend steep E. slope of high, mountainous land, through dense timber and scattered undergrowth.
- 15.90 Ravine, 320 ft. below corner, drains N.80°E.; descend along broken NE. slope.
- 26.80 Spur, 50 ft. below ravine, projects NE.; ascend descend abrupt, rocky SE. slope.
- 30.50 Descent becomes more abrupt, bears NE. and SE.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains	
34.94	<p>On top of sandstone rim, 220 ft. below spur, mark a cross (X), over which</p> <p>Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 19 and 30, with brass cap marked</p> $\frac{1}{4} \begin{array}{c} S 19 \\ S 30 \end{array} W C$ <p>1939</p> <p>from which</p> <p>A yellow pine, 14 ins. diam., bears N.20°E., 47 lks. dist., marked WC $\frac{1}{4}$ S19 BT</p> <p>No other bearing tree available.</p>
39.40	True point for cor. falls on SE. face of ledges, where it is impracticable to set a cor.
43.00	Sandstone gulch, 210 ft. below corner, drains NE.; ascend steep NW. slope.
68.40	Spur, 270 ft. above gulch, projects N.20°E.; descend ledgy SE. slope.
77.10	Sandstone gulch, 240 ft. below spur, drains NE.; ascend ledgy NW. slope.
79.40	<p>The true point for the cor. of secs. 19, 20, 29, and 30, 90 ft. above gulch.</p> <p>Land, broken ledges and slopes. Soil, shallow, sand and clay, with a rocky surface; 4th rate. Undergrowth, sage and black brush, weeds and grass. Timber, juniper and pinon. Poor grazing land.</p>
	<p>N.0°03'W., between secs. 19 and 20, from the true point for the cor. of secs. 19, 20, 29, and 30, which is W. 1.31 chains distant from the witness cor. to the cor. of said secs.</p> <p>Descend abrupt NW. slope of ledges, through scattered timber and undergrowth.</p>
3.00	Sandstone gulch, 50 ft. below true point for corner; drains NE.; ascend ledgy SE. slope.
8.50	Top of the NE. point of sandstone spur, 100 ft. above gulch; descend abrupt, ledgy NW. slope.
12.50	Bottom of deep, ledgy gulch, 180 ft. below point of spur, drains NE.; ascend steep, ledgy SE. slope.
31.60	Spur, 210 ft. above gulch, projects E.; descend gradual NE. slope.
40.00	<p>On gradual NE. slope, 160 ft. below top of spur.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked</p> $\begin{array}{c} \frac{1}{4} \\ S19 \mid S20 \end{array}$ <p>1939</p> <p>from which</p>

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

A pinon, 14 ins. diam., bears S.20°E., 18 lks.
dist., marked $\frac{1}{2}$ S20 BT

A pinon, 14 ins. diam., bears S.29°W., 57 lks.
dist., marked $\frac{1}{2}$ S19 BT

46.80 Shale gulch, 90 ft. below the $\frac{1}{4}$ sec. corner, drains E.;
ascend steep shale S. slope.

50.10 Spur, 100 ft. above gulch, projects E.; descend gradual
NE. slope, through dense timber.

74.50 Shale gulch, 340 ft. below spur, drains N.80°E.;
ascend steep SE. slope.

80.00 On steep SE. slope, 130 ft. above gulch.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in
the ground, for the cor. of secs. 17, 18, 19, and 20,
with brass cap marked

T27S	R5E
S18	S17
S19	S20

1939

from which

A pinon, 12 ins. diam., bears N.38°15'E., 20 lks.
dist., marked T27S R5E S17 BT

A pinon, 14 ins. diam., bears S.81°45'E., 88 lks.
dist., marked T27S R5E S20 BT

A juniper, 12 ins. diam., bears S.20°30'W., 95 lks.
dist., marked BT. Tree too scrubby for other mark

A pinon, 12 ins. diam., bears N.60°W., 58 lks. dist.
marked T27S R5E S18 BT

Land, broken ledges and shale breaks.
Soil, shallow clay and sand; 4th rate.
Undergrowth, sage and black brush.
Timber, juniper and pinon.
Poor grazing land.

East, on random line, between secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect the N. and S. line, 21 lks. S. of the cor. of
secs. 16, 17, 20, and 21.

Thence

S.89°51'W., on true line, between secs. 17 and 20.

Descend gradual NW. slope of broken land, through
dense timber and scattered undergrowth.

39.94 On broken land, 30 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground to solid rock; and in a large mound of stone
to top, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{2}$ S 17
S 20

1939

SUBDIVISION OF T. 27 S., R. 5 E.

Chains		
	<p>from which</p> <p>A pinon, 12 ins. diam., bears S.34°E., 16 lks. dist., marked $\frac{1}{4}$ S20 BT</p>	
	<p>A pinon, 12 ins. diam., bears N.1°E., 31 lks. dist., marked $\frac{1}{4}$ S17 BT</p>	
44.60	<p>Top of E. rim of deep sandstone gulch, bears NE. and S.20°W.; descend abrupt NW. slope.</p>	
55.20	<p>Small stream of good water in bottom of gulch, 90 ft. below rim, flows NE.; ascend along broken SE. slope.</p>	
56.60	<p>Bottom of gulch from the NW., drains SE., 50 lks. dist., to junction with last gulch; continue along broken SE. slope.</p>	
79.68	<p>The cor. of secs. 17, 18, 19, and 20, 230 ft. above gulch.</p> <p>Land, broken. Soil, shallow clay and sand; 4th rate. Undergrowth, sage and black brush, mountain rush, and weeds. Timber, juniper and pinon. Poor grazing land.</p>	
	<p>S.89°51'W., on random line, between secs. 18 and 19.</p>	
40.00	<p>Set temp. $\frac{1}{4}$ sec. cor.</p>	
79.17	<p>Intersect the W. bdy. of the township, 18 lks. N. of the cor. of secs. 13, 18, 19, and 24, an iron post, 2 ins. diam., set, marked, and witnessed, as described in the official record of the survey of T. 27 S., R. 4 E., Group 184, Utah.</p>	
	<p>Thence</p> <p>N.89°43'E., on true line, between secs. 18 and 19.</p>	
	<p>Ascend gradual NW. slope of high, mountainous land, through scattered timber and undergrowth.</p>	
35.40	<p>Slope changes from a gradual NW. slope to a gradual N. slope.</p>	
36.60	<p>Timber becomes more dense, bears NW. and SE.</p>	
39.17	<p>On gradual N. slope, 150 ft. above sec. cor.</p>	
	<p>Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked</p>	
	<p>$\frac{1}{4}$ $\frac{S\ 18}{S\ 19}$ 1939</p>	
	<p>from which</p>	
	<p>A pinon, 20 ins. diam., bears S.14°W., 55 lks. dist., marked $\frac{1}{4}$ S19 BT</p>	
	<p>A pinon, 12 ins. diam., bears N.56°W., 179 lks. dist., marked $\frac{1}{4}$ S18 BT</p>	
	<p>Continue along gradual N. slope.</p>	

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

- 43.00 Spur, 30 ft. above the $\frac{1}{4}$ sec. corner, projects N.85°E., from the SW.; descend along broken SE. slope.
- 79.17 The cor. of secs. 17, 18, 19, and 20, 530 ft. below spur
Land, broken and mountainous.
Soil, shallow clay and gravel; 4th rate.
Undergrowth, sage and black brush, mountain rush and weeds.
Timber, juniper and pinon.
Fair grazing land.
-
- N.0°03'W., between secs. 17 and 18.
Ascend steep S. slope of broken, mountainous land, through dense timber and scattered undergrowth.
- 1.60 Spur, 30 ft. above corner, projects N.85°E.; descend steep N. slope.
- 12.20 Bottom of deep gulch, 170 ft. below spur, drains E.; small stream of good water along bottom of gulch; ascend steep SE. slope over shale breaks.
- 40.00 On SE. slope, 270 ft. above stream.
Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked
- $\frac{1}{4}$
 S18 | S17
 1939
- from which
- A pinon, 10 ins. diam., bears S.65°E., 41 lks.
dist., marked $\frac{1}{4}$ S17 BT
- A pinon, 10 ins. diam., bears N.25°45'W., 23 lks.
dist., marked $\frac{1}{4}$ S18 BT
- 66.80 Spur, 160 ft. above the $\frac{1}{4}$ sec. corner, projects E.; descend steep NE. slope.
- 80.00 On steep NE. slope, 100 ft. below spur.
Set an iron post, 3 ft. long, 2 ins. diam., 15 ins. in the ground to solid rock, and in a large mound of stone to top, for cor. of secs. 7, 8, 17, and 18, with brass cap marked
- | | |
|------|-----|
| T27S | R5E |
| S7 | S8 |
| S18 | S17 |

 1939
- from which
- A pinon, 6 ins. diam., bears N.75°E., 25 lks.
dist., marked T27S R5E S8 BT
- A pinon, 12 ins. diam., bears S.36°30'E., 84 lks.
dist., marked T27S R5E S17 BT
- A pinon, 12 ins. diam., bears S.39°45'W., 33 lks.
dist., marked T27S R5E S18 BT
- A pinon, 8 ins. diam., bears N.70°15'W., 20 lks.
dist., marked T27S R5E S7 BT

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

and to
and
and

Land, rough and mountainous.
Soil, shallow clay and gravel, with a rocky surface;
4th rate.
Undergrowth, sage and black brush, mountain rush,
and weeds.
Timber, juniper and pinon.
Fair grazing land.

N.89°51'E., on random line, between secs. 8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect the N. and S. line, 16 lks. N. of the cor.
of secs. 8, 9, 16, and 17.

Thence

S.89°58'W., on true line, between secs. 8 and 17.

Ascend gradual E. slope of bench land, through dense
timber and scattered undergrowth.

18.50 Barbed wire Forest Service drift fence, bears N. and S.

39.94 On gradual E. slope, 90 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in
the ground to solid rock, and in a large mound of stone
to top, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$ S 8
S 17
1939

from which

A pinon, 14 ins. diam., bears N.75°30'E., 90 lks.
dist., marked $\frac{1}{4}$ S8 BT

A pinon, 14 ins. diam., bears S.52°45'W., 20 lks.
dist., marked $\frac{1}{4}$ S17 BT

43.10 Dry channel of Polk Creek, 50 lks. wide, 5 ft. deep,
drains S.80°E. from the W.

47.40 Leave dry channel of Polk Creek, drains E. from N.80°W.;
ascend gradual NE. slope of mountainous land.

50.40 Trail, bears NE. and SW.

57.90 Recross trail, bears N.60°W. and S.60°E.

79.88 The cor. of secs. 7, 8, 17, and 18, 360 ft. above
the $\frac{1}{4}$ sec. cor.

Land, broken and mountainous.
Soil, shallow clay and gravel, with a rocky surface;
4th rate.
Undergrowth, sage and black brush, mountain rush, and
weeds.
Timber, juniper and pinon.
Fair grazing land.

S.89°43'W., on random line, between secs. 7 and 18.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

79.19 Intersect the W. bdy. of the township, 9 lks. S. of the cor. of secs. 7, 12, 13, and 18; an iron post, 2 ins. diam., set, marked and witnessed, as described in the official record of the survey of T. 27 S., R. 4 E., Group 184, Utah.

Thence

N.89°47'E., on true line, between secs. 7 and 18.

Descend gradually along broken N. slope of spur, through scattered timber and undergrowth.

27.40 Spur, 60 ft. below corner, projects N.60°E.; descend abrupt E. slope, through dense timber.

39.19 On abrupt E. slope, 140 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$ $\frac{S\ 7}{S\ 18}$
1939

from which

A pinon, 12 ins. diam., bears N.29°30'E., 26 lks. dist., marked $\frac{1}{4}$ S7 BT

A juniper, 10 ins. diam., bears S.10°W., 9 lks. dist., marked $\frac{1}{4}$ S18 BT

54.20 Head of ravine, 310 ft. below the $\frac{1}{4}$ sec. corner, drains N.30°E.; ascend gradual NW. slope.

63.60 Top of ascent on NW. slope, 50 ft. above head of ravine, bears N. and S.; descend gradual NE. slope.

79.19 The cor. of secs. 7, 8, 17, and 18, 130 ft. below top of ascent.

Land, mountainous.

Soil, shallow clay and gravel, with a rocky surface; 4th rate.

Undergrowth, sage and black brush, mountain rush, and weeds.

Timber, juniper and pinon.

Good grazing land.

N.0°03'W., between secs. 7 and 8.

Descend gradual NE. slope of broken mountainous land, through dense timber and scattered undergrowth.

9.10 Old wagon road, bears E. and W.

10.10 Bottom of dry channel of Polk Creek, 20 lks. wide, 5 ft. deep, in large draw, 120 ft. below sec. corner, drains E.; ascend abrupt S. slope.

32.70 Spur, 180 ft. above draw, projects S.80°E.; descend gradual N. slope.

40.00 On broken N. slope, 90 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in

Chains

the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$
S7 | S8
1939

from which

A pinon, 8 ins. diam., bears N.20°30'E., 45 lks.
dist., marked $\frac{1}{4}$ S8 BT

A pinon, 10 ins. diam., bears S.33°15'W., 40 lks.
dist., marked $\frac{1}{4}$ S7 BT

Thence descend gradually over broken NE. slope.

55.90 Shallow draw, drains E.; continue descent.

80.00 On broken NE. slope, 210 ft. below the $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor, of secs. 5, 6, 7, and 8, with brass cap marked

T27S | R5E
S6 | S5
S7 | S8
1939

from which

A juniper, 10 ins. diam., bears N.28°15'E., 31 lks.
dist., marked T27S R5E S5 BT

A juniper, 10 ins. diam., bears S.65°E., 11 lks.
dist., marked T27S R5E S8 BT

A pinon, 8 ins. diam., bears S.32°45'W., 21 lks.
dist., marked T27S R5E S7 BT

A pinon, 10 ins. diam., bears N.42°15'W., 40 lks.
dist., marked T27S R5E S6 BT

Land, high and mountainous.

Soil, shallow clay and gravel, with a rocky surface;
4th rate.

Undergrowth, sage and black brush, mountain rush, and weeds.

Timber, juniper and pinon.

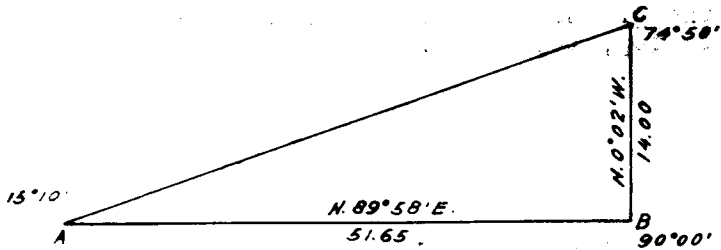
Fair grazing land.

N.89°58'E., on random line, between secs. 5 and 8.

9.50 The line to the E. of this point, descends the inaccessible E. breaks of a high sandstone reef, over which I am unable to chain, I therefore determine the distance by triangulation, as follows: erect flag A at this point, and flag B on line to the E. From B survey base line BC N.0°02'W. 14.00 chains distant. Base line double chained, and the following angles checked by repetition. Angle A is 15°10', B is 90°00', and C is 74°50'. The vertical angle from A to B is minus 12°40'.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains



Distance on line, - - - - -	9.50 chs.
Distance by triangulation, - - - - -	51.65 chs.
Distance to point B of triangulation, - - -	61.15 chs.
Distance by return measurement, - - - - -	21.15 chs.
	40.00 chs.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

61.15 To point B. of triangulation.

80.00 Intersect the N. and S. line, 14 lks. S. of the cor. of secs. 4, 5, 8, and 9.

Thence

S. 89°52' W., on true line, between secs. 5 and 8.

Over rolling land, through scattered timber.

3.50 Wash, 20 lks. wide, 4 ft. deep, drains SE.

29.00 Base of broken E. face of high sandstone reef, bears N. and S.

40.00 On broken E. face of sandstone reef, 210 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$ $\frac{S}{S}$
 S 5
 S 8
 1939

deposit a sandstone, 8x6x4 ins., at base of post, marked X.

No bearing trees available.

The line to the W. of this point ascends the steep inaccessible E. face of reef, over which it is impossible to chain.

70.50 Top of reef, in cove, 770 ft. above the cor. of secs. 4, 5, 8, and 9, bears N. 8.00 chains distant, thence E. and S. 2.00 chains distant, thence E.; ascend broken NE. slope.

30.00 The cor. of secs. 5, 6, 7, and 8, 30 ft. above top of reef.

Land, broken and rolling.
 Soil, shallow, loose sand and clay; 4th rate.
 Undergrowth, sage and black brush.
 Timber, juniper and pinon.
 Fair grazing land.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

S.89°47'W., on random line, between secs. 6 and 7.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.27 Intersect the W. bdy. of the township, 9 lks. N. of the cor. of secs. 1, 6, 7, and 12, an iron post, 2 ins. diam., set, marked and witnessed, as described in the official record of the survey of T. 27 S., R. 4 E., Group 184, Utah.

Thence

N.89°43'E., on true line, between secs. 6 and 7.

Ascend gradual NW. slope of high, mountainous land, through scattered timber and undergrowth.

19.60 Timber becomes dense, bears N. and S.

27.00 Spur, slopes SE.; thence ascend gradually along N. slope.

39.27 On gradual N. slope, 50 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$ $\frac{S\ 6}{S\ 7}$
1939

from which

A juniper, 14 ins. diam., bears N.39°W., 45 lks. dist., marked $\frac{1}{4}$ S6 BT

No other suitable bearing tree available.

58.40 Spur, 50 ft. below the $\frac{1}{4}$ sec. corner, projects NE.; descend steep E. slope.

79.27 The cor. of secs. 5, 6, 7, and 8, 400 ft. below spur.

Land, high and mountainous.
Soil, shallow gravel and clay; 4th rate.
Undergrowth, sage and black brush, weeds and grass.
Timber, juniper and pinon.
Good grazing land.

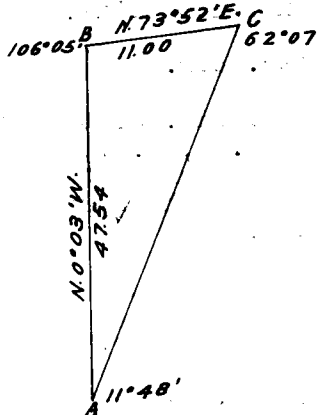
N.0°03'W., on true line, between secs. 5 and 6.

Descend gradually over broken NE. slope of mountainous land, through dense timber and scattered undergrowth.

7.63 Top of rim of high, broken sandstone reef, faces E.; and bears N.20°W. and S.20°E. High, vertical ledges make chaining to the N. of this point impossible, I therefore determine the distance by triangulation, as follows: erect flag A at this point, and flag B on line to the N. From B survey base line BC N.73°52'E. 11.00 chains distant. Base line double chained, and the following angles checked by repetition: angle A is 11°48', B is 106°05', and C is 62°07'. No difference in elevation from A to B.

SUBDIVISION OF T. 27 S., R. 5 E.

Chains



Distance on line, - - - - -	7.83 chs.
Distance by triangulation, - - - - -	47.54 chs
Distance to point B of triangulation, - - -	55.17 chs.
Distance by return measurement, - - - - -	5.17 chs.
	50.00 chs.

- 29.00 Approximate distance; sandstone spur, projects E.; same level as sec. cor.
- 39.00 Approximate distance; bottom of deep inaccessible sandstone gorge, 500 ft. below spur, drains E.
- 40.00 True point for the $\frac{1}{4}$ sec. cor. falls in broken, inaccessible N. breaks of gorge, where it is impossible to reach the cor. point.
- 50.00 At top of N. rim of reef, 500 ft. above gorge, bears E. and W.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for witness corner to the $\frac{1}{4}$ sec. corner secs. 5 and 6, with brass cap marked

$\frac{1}{4}$
 S6 | S5
 WC
 1939

raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

No bearing trees available.

Thence ascend steep S. slope of broken land.

- 55.17 To point B of triangulation.
- 60.00 Top of ascent, 130 ft. above the witness corner to the $\frac{1}{4}$ sec. corner, bears E. and W.; thence over rolling land.
- 80.10 Trail, bears E. and W.
- 84.38 Intersect the N. bdy. of the township, S. 89°47' E., 12.57 chains distant from the cor. of secs. 31 and 32, T. 26 S. R. 5 E., heretofore described.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock, and in a large mound of stone to top, for closing corner of secs. 5 and 6, with brass cap marked

SUBDIVISION OF T. 27 S., R. 5 E.

Chains

T26S R5E

S32

S6 S5

T27S R5E

CC

1939

deposit a volcanic stone, 10x10x6 ins., at base of post, marked X.

No bearing trees available.

Land, broken and mountainous.

Soil, shallow clay and gravel; 4th rate.

Undergrowth, sage and black brush, mountain rush, and weeds.

Timber, juniper and pinon.

Poor grazing land.

GENERAL DESCRIPTION

The land within the boundaries of T. 27 S., R. 5 E., Salt Lake Meridian, Utah, consists of the broken east breaks of the extreme east portion of Thousand Lake Mountain, the main top of which is in T. 27 S., R. 4 E. It has a general easterly exposure and drainage, and is of a sandstone, shale and gypsum formation, the top of which is covered with numerous large volcanic boulders. The south portion of the township is the broken breaks of Deep Creek, which consists of high, inaccessible sandstone ledges and high buttes, most of which are on the north breaks of the creek channel. From the top of the north breaks of Deep Creek, the land slopes to the northeast, and is cut by numerous deep sandstone gulches with high, vertical walls. Most portions of sections 23 and 24 are rolling bench land, and are called "The South Desert".

The soil, through most portions of the township, consists of shallow sand and light colored clay, with a rocky surface, and may be classified as fourth rate.

The east portion of the township is covered with a very scattered growth of scrub juniper and pinon timber, while the west portion has a dense growth of juniper and pinon, and a very scattered growth of yellow pine, Douglas fir, and spruce. The timber has no commercial value except for firewood and fencing.

The undergrowth consists of a scattered short growth of sage, black and bitter brush, shadscale, silver leaf, mountain rush and weeds.

The west two ranges of sections in the township are within the boundaries of the Fish Lake National Forest and a small portion of the east boundary of this Forest is fenced.

The only permanent water in the township consists of small seeps in the channel of Polk Creek, in the south half of section 7; small seeps in the NW $\frac{1}{4}$ section 6; a small seep in the SW $\frac{1}{4}$ NW $\frac{1}{4}$, and the SE $\frac{1}{4}$ NE $\frac{1}{4}$ section 9; a small spring in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ section 10, and a small intermittent stream in the SE $\frac{1}{4}$ section 18, and the S $\frac{1}{2}$ section 17.

A stream about 10 links wide, 5 inches deep, flows through the channel of Deep Creek, in an easterly direction, through the south portion of the township, during the early spring months, but during the summer this stream dries up.

No settlers were living on the township at the time of the survey, and it is suitable only for a grazing range for stock.

GENERAL DESCRIPTION.

About 10 acres of land, located in the S $\frac{1}{2}$ SW $\frac{1}{2}$ section 14, are inclosed with a broken down barbed wire fence, which is the only improvement left of a desert land entry made by Irvin J. Tanner, of Fremont, Wayne County, Utah, April 29, 1893. Less Morrell, of Fremont, Utah, has a room log cabin located in the SW $\frac{1}{2}$ SE $\frac{1}{2}$ section 4. The Forest Service has constructed about 60 chains of barbed wire drift fence, bearing in a northerly and southerly direction in the east portions of sections 8 and 17.

No improved roads or trails are found in the township, but portions of sections 7, 8, and 17 can be reached by team and wagon. Nearly all of the south portion of the township is inaccessible to stock on account of the inaccessible ledges and breaks.

No indications of mineral, coal, oil, or oil shale, were found.

The magnetic declination at the southeast corner of the township was found to be 16°15'E.

4386104

4-680
(Revised May 1984)

NAMES

CAPACITY

Chairman

Chairman

Chairman

Chairman

Chairman

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Public Survey Office

Salt Lake City, Utah

BOOK A-516

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF THE

EAST, WEST AND SOUTH BOUNDARIES,

SURVEY OF THE

SUBDIVISION

OF

T.19S., R. 24 E.

Of the SALT LAKE Meridian,

the State of UTAH

EXECUTED BY

CHAS. F. MOORE AND ROBERT C. YUNDT

the capacity of U. S. Surveyors, under Special Instructions dated SEPT. 18 1931.,

, issued by the District Cadastral Engineer to govern surveys included in Group

No. 232, which were approved by the Commissioner of the General Land

Office, Sept. 25, 1932., and Assignment Instructions dated OCT. 1, 1931.

Survey commenced October 20th, 1931.

Survey completed November 24th, 1931.

INDEX DIAGRAM.

Township 19 SOUTH, Range 24 EAST

28	23	6	76	5	63	4	55	3	46	2	38	1	20	13
	75		75		63		54		46		37			
27	23	1	73	8	62	9	54	10	45	11	36	12	18	12
	73		72		61		53		44		35			
26	23	18	71	17	61	16	52	15	43	14	34	13	17	12
	71		70		60		51		42		34			
26	22	19	69	20	59	21	51	22	42	23	33	24	15	12
	69		68		58		50		41		32			
25	22	30	67	29	58	28	49	27	40	26	31	25	14	12
	66		65		57		49		39		31			
24	21	31	64	30	56	23	47	24	39	25	30	26	13	12
	11		9		8		7		5		4			
	4		4		3		3		2		2			

T. 19 S., R. 24 E.

Survey commenced October 20, 1931, and was executed with Buff and Buff light mountain transit No. 9983; used by Chas. F. Moore and Robert C. Yundt, jointly. The instrument is equipped with full vertical circle and the Smith solar attachment; unless otherwise specified all azimuth determinations are accomplished with the solar attachment. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the district cadastral engineer on Oct. 1, 1931. I examined all the instrumental adjustments before making the field tests hereinafter recorded.

The measurements were made with Lallie steel tape, 8 chs. in length, graduated every link for the first 100 lks., and the balance at intervals of 10 lks. The tape was tested by comparison with a Lufkin standard and found correct. The measurements were made on the slope, and the vertical angle of each interval was ascertained by clinometer in good adjustment; the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions gives the geographic position for the SE. cor. of the tp., as follows; latitude $39^{\circ}07'N.$, and longitude $109^{\circ}13'W.$

October 20, 1931, in camp near the cor. of secs. 33 and 34, on the S. bdy., at 5h 43m a.m., l.m.t. or 6h 00m a.m., by my watch which reads correct 105th meridian time as determined by radio signals. I observe Polaris at western elongation, making two sights each with the telescope in direct and reversed positions, and place a tack at the mean point, on a peg driven firmly in the ground 10 chs. N. At 7 a.m. l.m.t. I lay off the azimuth of Polaris $1^{\circ}22'E.$ and make a meridian mark on second peg to the east of the mean point in the line determined by the observation.

T. 19 S., R. 24 E.

In order to verify the latitude of this station I make a meridian observation of the sun, first setting the lower limb and noting the transit of the west limb then, after reversal of the instrument, setting on the upper limb and noting the transit of the east limb as follows:

Mean observed altitude ----- 40°
Reduced latitude ----- 39°

Every 30 min. from 7 to 10:30 a.m. and from 1:30 5 p.m., I make the proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a maximum error less than 1'30".

I repeat the tests of the arcs daily by noon observation, and verify the meridional indications at frequent intervals throughout the survey.

DEPENDENT RESURVEY OF THE S. BDY. T.19 S., R.24 E

"Reestablishment of the surveys executed by Howard W. Miller, U. S. Surveyor in 1910".

Random Lines

From the cor. of Tps.19 and 20 S., Rs. 24 and 25 E., hereinafter described.

West, on random line on the S. bdy. of sec. 36.

40.00 After diligent search no trace of the $\frac{1}{4}$ sec. cor. could be found.

79.78 Fall 63 lks. S. of the cor. of secs. 35 and 36, hereinafter described.

Therefore the true bearing of this mile is N.89°33'W., and distance of each half mile is 39.89 chs.

From the cor. of secs. 35 and 36.

West on random line on S. bdy. of sec. 35.

3.09 Fall 3 lks. N. of the closing cor. of secs. 1 and 2, T. 20 S., R. 24 E., hereinafter described. Continue on same line.

40.63 Fall 46 lks. N. of the $\frac{1}{4}$ sec. of sec. 35, hereinafter

	described.	
	Therefore the true bearing of this half mile is S.89°21'	
2.56	WA. 40.63 chs. dist.	
40.00	From the $\frac{1}{4}$ sec. cor. for sec. 35.	
80.75	West on random line on S. bdy of sec. 35, with continuous measurement.	
80.88	Fall 28 lks. S. of the cor. of secs. 34 and 35, hereinafter described.	
	Therefore the true bearing of this half mile is N.89°41'W.	
	, and the distance is 40.25chs.	
	From the cor. of secs. 34 and 35.	
2.56	West on random line on the S. bdy of sec. 34.	
40.00	Intersect the closing cor. of secs. 2 and 3, T. 20 S., R. 24 E., hereinafter described.	
80.75	After diligent search no trace of the orig. $\frac{1}{4}$ sec. cor., could be found.	
	Fall 5 lks. N. of the cor. of secs. 33 and 34, hereinafter described.	
	Therefore the true bearing of of this mile is S.89°58'W., and the distance is 80.75 chs.	
	From the cor. of secs. 33 and 34.	
2.19	West on random line on the S. bdy of sec. 33.	
40.25	Intersect the closing cor. of secs. 3 and 4, T. 20 S., R. 24 E., hereinafter described.	
	Fall 2 lks. S. of the $\frac{1}{4}$ sec. cor., for sec. 33, hereinafter described.	
	Therefore the true bearing of this half mile is N.89°58'W., and the distance is 40.25 chs.	
	From the $\frac{1}{4}$ sec. cor.	
	West, on random line with continuous measurement.	
80.49	Fall 7 lks. N. of the cor. of secs. 32 and 33, hereinafter described.	
	Therefore the true bearing of this half mile is S.89°54'W., and the distance is 40.24 chs.	

DEPENDENT RESURVEY OF THE S. BDY. OF T. 19 S., R. 24 E.

21111111

Chains

From the cor. of secs. 32 and 33. ~~bedrock~~

West on random line on the S. bdy. of sec. 33.

1.82

Fall 1 lk. N. of the closing cor. of secs. 4 and 5, T. 20 S., R. 24 E., hereinafter described. ~~Continue~~

on same line.

40.24

Fall 19 lks. N. of the $\frac{1}{4}$ sec. cor., for sec. 32, hereinafter described.

Therefore the true bearing of this half mile is S. 89° 44' W., and the distance is 40.24 chs.

From the $\frac{1}{4}$ sec. cor. for sec. 32.

West, with continuous measurement.

76.25

Fall 3.01 N. of the cor. of secs. 31 and 32, hereinafter described.

Therefore the true bearing of this half mile is S. 88° 11' W., and the distance is 36.14 chs.

From the cor. of secs. 31 and 32.

West, on random line on the S. bdy. of sec. 31.

5.74

Fall 6 lks. S. of the closing cor. of secs. 5 and 6,

T. 20 S., R. 24 E., hereinafter described. ~~Continue~~
on same line.

40.00

After diligent search no trace of the $\frac{1}{4}$ sec. cor., could be found.

85.25

Fall 97^{lks.}/S. of the cor. of Tps. 19 and 20 S., Rs. 23 and 24 E., hereinafter described.

Therefore the true bearing of this half mile is N. 89° 21' W., and the distance is 85.25 chs.

TRUE LINES.

From the cor. of Tps. 19 and 20 S., Rs. 24 and 25 E., which is a sandstone, 4 x 4 x 4 ins. above ground, firmly set, properly mkd. and witnessed as described in the official record.

At the exact cor. point.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, with the orig. cor. deposited alongside, for the cor. of Tps. 19 and 20 S., Rs. 24 and 25 E., with brass cap mkd.

AS .R . DEPENDENT RESURVEY OF THE S. BDY. OF T. 19 S., R. 24 E.

Chain

T19S	
R24E	R25E ✓
S36	S31
S 1 S 6	
T20S	
1931	

and raise mound
of stone 4 ft. base, 3 ft. high, S. of the cor.
Thence
N.89°33'W., on true line along the S. bdy. of sec. 36.
Over rolling desert land, through scattering undergrowth.
Ascend 30 ft. over SE. slope.

32.40 Spur, projects S. gradual descent over W. slope.

39.89 Proportionate point.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, for the $\frac{1}{4}$ sec. cor., for sec. 36, only, with
brass cap mkd.

$\frac{1}{4}$ S 36
1931

and dig pits,
18 x 18 x 12 ins. on line E. and W., of the cor. 3 ft.
dist.

45.50 Small draw, course S. Ascend gradual SE. slope.

79.78 Intersect the cor. of secs. 35 and 36, which is an iron
post, 3 ins. diam., firmly set, properly mkd. as describ-
ed in the official record.

Dig pits. 18 x 18 x 12 ins. in each sec. 3 ft. dist.
from the post.

Land, rolling desert; general drainage and exposure S.
Soil, clay loam; 2nd rate.
Timber, none.
Undergrowth, shadscale.
Poor grazing.

S.89°21'W., on true line on the S. bdy. of sec. 35
Over rolling desert land, through scattering undergrowth.
Gradual ascent over SE. slope.

3.09 Intersect the closing cor. of secs. 1 and 2, T.20 S.,

DEPENDENT RESERVE OF THE S. R. R. OF THE S. R. R.

Chains

R. 2 $\frac{1}{2}$ E., which is an iron post, 2 ins. diam., firmly set, properly mkd. and witnessed as described in the official record.

14.40 Low ridge, bears N. and S. Gradual descent.

40.00 40.00 chs. westing from the cor. of secs. 35 and 36. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{2}$ sec. cor., for sec. 35 only, with brass cap mkd.

$\frac{1}{2}$ S 35

1931

and dig pits

18 x 18 x 12 ins. E. and W. 3 ft. dist. from post.

40.63 Intersect the $\frac{1}{2}$ sec. cor. for sec. 35 only, which is an iron post, 1 in. diam., firmly set, properly mkd. as described in the official record. This cor. now becomes an angle point and is remarked as follows:

AP
T198 R24E
S35

1910

and dig pits

18 x 18 x 12 ins. E. and W., 3 ft. dist. from post.

Thence

N. 89° 41' W., on true line with continuous measurement.

70.35 Draw, course S. 15° W.

80.00 Westing of 80 chs. from the cor. of secs. 35 and 36.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 34 and 35, with brass cap mkd.

T198 R24E
S34 S35

1931

and dig pi

18 x 18 x 12 ins. in each sec. 3 ft. dist. from post.

Land, rolling desert; general drainage and exposure S.

Soil, clay loam; 2nd rate

Timber, none.

Undergrowth, shrubs and greasewood.

Chains

Poor grazing.

N.89°41'W., on true line along the S. bdy. of sec. 34.

Over rolling desert land, through scattering undergrowth.

Intersect the cor. of secs. 34 and 35, which is an iron post, 3 ins. diam., firmly set, properly mkd. as described in the official record. This cor. now becomes an angle point, and is remarked as follows:

AP
T19S R24E
S34

1910

and dig pits,

18 x 18 x 12 ins. E. and W. 3 ft. dist. from post.

Thence

S.89°58'W., on S. bdy. of sec. 34, with continuous measurement.

3.44 Intersect the closing cor. of secs. 2 and 3, which is an iron post, 2 ins. diam., firmly set, properly mkd. as described in the official record; dig pits, 18 x 18 12 ins. on line, E., W. and S. 3 ft. dist. from post.

40.00 Westing 40 chs. from the cor. of secs. 34 and 35. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., for sec. 34, only, with brass cap mkd.

$\frac{1}{4}$ S 34

1931

and raise

mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

Gradual descent over gentle W. slope.

49.20 Cottonwood Wash, course S.

77.10 Road, bears NW. and SE.

77.60 Ditch, course S.

80.00 Westing of 80 chs. from the cor. of secs. 34 and 35.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 33 and 34, with brass cap mkd.

DEPENDENT RESURVEY OF THE S. BDY. OF T. 12 S., R. 24 E.

Chains

T19S	R24E
S33	S34

1931

and raise

mound of stone, 3 ft. base, 2 ft. high, N. of the cor.
Land, rolling desert; general drainage and exposure S.
Soil, clay loam; 2nd rate.

Timber, none.

Undergrowth, shadscale, and greasewood.

Poor grazing.

1.63

S. 89° 58' W., on true line along the S. bdy. of sec. 33.
Over rolling desert land, through scattering undergrowth.
Intersect the corner of sections 33 and 34, which is
an iron post, 3 ins. diam., firmly set, properly mkd.
as described in the official record. This cor. now
becomes an angle point and is remarked as follows:

AP
T19S R24E
S33

1910

and dig pits,

18 x 18 x 12 ins. E. and W. 3 ft. dist. from post.

Thence

3.82

N. 89° 58' W., on true line with continuous measurement.
Intersect the closing cor. of secs. 3 and 4, which is
an iron post, 2 ins. diam., firmly set, properly mkd.
as described in the official record; and dig pits,
18 x 18 x 12 ins. E., W. and S. 3 ft. dist. from post

22.10

Mountain States Tel. and Tel. line, bears NE. and SW.

32.40

Road, bears N. and S.

38.50

Abandoned State Highway, bears NE. and SW.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, for the $\frac{1}{4}$ sec. cor., for sec. 33 only, with
brass cap mkd.

 $\frac{1}{4}$ S 33

1931

and raise mound

Chains

of stone, 3 ft. base, 2 ft. high, N. of the cor.

41.88 Intersect the $\frac{1}{2}$ sec. cor., for sec. 33, which is an iron post, 1 in. diam., firmly set, properly mkd. as described in the official record; This cor. now becomes an angle point, and is remarked as follows:

AP
T19S R24E
S33
1910

and dig pits, 18 x 18 x 12 ins. E. and W. 3 ft. dist. from the cor.
Thence

S.89°54'W., on the S. bdy of sec. 33, with continuous measurement.

80.00 Westing of 80 chs. from the cor. of secs., 33 and 34.
Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 32 and 33, with brass cap mkd.

T19S | R24E
S32 | S33
1931

and raise mound of stone, 3 ft. base, 2 ft. high, N. of the cor.
Land, rolling desert; general drainage and exposure SE.
Soil, clay loam; 2nd rate.
Timber, none.
Undergrowth, shadscale and greasewood.
Poor grazing.

S.89°54'W., on true line on the S. bdy. of sec. 32.
Over rolling desert land, through scattering undergrowth.
2.12 Intersect the orig. cor. of secs. 32 and 33, which is an iron post, 3 ins. diam., firmly set, properly mkd. as described in the official record. This cor. now becomes an angle point, and is remarked as follows:

AP
T19S R24E
S32
1910

DEPENDENT RESURVEY OF THE S. EDY. OF T. 19 S., R. 24 E.

Chains

and dig pits,

18 x 18 x 12 ins. E. and W. 3 ft. dist. from the cor.
Thence

S. 89° 44' W., on true line with continuous measurement.

3.94

Intersect the closing cor. of secs. 4, and 5, T. 20 S.
R. 24 E., which is an iron post, 2 ins. diam., firmly
set, properly mkd. as described in the official record
and dig pits, 18 x 18 x 12 ins. E., W. and S., 3 ft. di
from the cor.

40.00

Westing. of 40 chs. from the cor. of secs. 32 and 33,
Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S 32

1931

and raise mound

of stone, 3 ft. base, 2 ft. high, N. of the cor.

42.36

Intersect the $\frac{1}{4}$ section corner., for sec. 32, which is
an iron post, 1 in. in diam., firmly set, properly mkd
as described in the official record. This cor. now
becomes an angle point and is remarked as follows:

AP
T19S R24E
S32

1910

and dig pits,

18 x 18 x 12 ins. E. and W., 3 ft. dist. from post.

Thence

S. 85° 13' W., on true line with continuous measurement.

66.12

Small wash, course S.

78.50

Intersect the cor. of secs. 31 and 32, which is
an iron post, 3 ins. diam., firmly set, properly mkd.
as described in the official record. This cor. now
becomes an angle point and is remarked as follows:

AP
T19S R24E
S32

1910

and dig pits,

18 x 18 x 12 ins. E. and W., 3 ft. dist. from post.

Chains	Thence
80.13	N. 89° 21' W., on true line with continuous measurement.
	Westing of 80 chs. from the cor. of secs. 32 and 33.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 31 and 32, with brass cap mkd.
	T19S R24E S31 S32
	1931
	and raise mound
	of stone, 3 ft. base, 2 ft. high, N. of the cor.
	Land, rolling desert; general drainage and exposure SE.
	Soil, clay loam; 2nd rate.
	Timber, none.
	Undergrowth, shadscale.
	Poor grazing.
4.11	N. 89° 21' W., on true line on the S. bdy. of sec. 31.
	Over rolling desert land, through scattering undergrowth.
	Intersect the closing cor. of secs. 5 and 6, which is an iron post, 2 ins. diam., firmly set, properly mkd. and witnessed as described in the official record.
40.00	Westing of 40 chs. from the cor. of secs. 31 and 32.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the sec. cor., for sec. 31 only, with brass cap mkd.
	$\frac{1}{4}$ S 31
	1931
	and raise mound
	of stone, 3 ft. base, 2 ft. high, N. of the cor.
	Ascend 24 ft. over gradual E. slope to tp. cor.
89.30	Irrigation ditch, course S.
85.62	Intersect the cor. of Tps. 19 and 20 S., Rs. 23 and 24 E., which is an iron post, 3 ins. diam., firmly set, properly mkd. and witnessed as described in the official record.
	Land, rolling desert.

DEPENDENT RESURVEY OF THE S. BDY. OF T. 19 S., R. 24 E.

Chains

Soil, clay loam; 2nd rate.

Timber, none.

Undergrowth, shade.

Poor grazing.

DEPENDENT RESURVEY OF THE EAST BDY. OF T. 19 S., R. 24 E.
 "Reestablishment of survey executed by A.D. Ferron, U.S.
 Deputy Surveyor, in 1884".

Random Lines.

From the cor. of Tps. 19 and 20 S., Rs. 24 and 25 E.,
 heretofore described.

North, on random line bet. secs. 31 and 36.

40.00 No trace of the orig. $\frac{1}{4}$ sec. cor. Set temp. $\frac{1}{4}$ sec. cor.

80.00 No trace of the orig. cor. of secs. 25, 30, 31 and 36.

Set temp. sec. cor.

North on random line bet. secs. 25 and 30.

40.00 No trace of the orig. $\frac{1}{4}$ sec. cor. Set temp. $\frac{1}{4}$ sec. cor.

80.00 No trace of the orig. sec. cor. Set temp. cor. for
 secs. 19, 24, 25 and 30.

North, on random line bet. secs. 19 and 24.

40.00 No trace of the orig. $\frac{1}{4}$ sec. cor. Set temp. $\frac{1}{4}$ sec. cor.

80.00 No trace of the orig. sec. cor. Set temp. cor. of sec.
 13, 18, 19 and 24.

North, on random line bet. secs. 13 and 18.

40.00 No trace of the orig. $\frac{1}{4}$ sec. cor. Set temp. $\frac{1}{4}$ sec. cor.

80.00 No trace of the orig. sec. cor. Set temp. cor. of sec.
 7, 12, 13 and 18.

North, on random line bet. secs. 7 and 12.

41.35 Fall 40 lks. E. of the orig. $\frac{1}{4}$ sec. cor., hereinafter
 described.

Therefore the true bearing of the S. $4\frac{1}{2}$ miles of the
 E. bdy., is N. $0^{\circ}04'$ W., and the distance of each half

DEPENDENT RESURVEY OF THE EAST BDY. OF T.19 S., R. 24 E.

Chains	<p>mile is 40.15 chs.</p> <p>Thence from a point 40 links E. of $\frac{1}{4}$ sec. corner.</p> <p>North, on random line, with continuous measurement.</p>
81.35	<p>No trace of the orig. sec. cor. Set temp. cor. of secs. 1, 6, 7 and 12.</p>
40.00	<p>North, on random line bet. secs. 1 and 6.</p> <p>No trace of the orig. $\frac{1}{4}$ sec. cor. Set temp. $\frac{1}{4}$ sec. cor.</p>
80.60	<p>Fall 39 lks. W. of the cor. of Tps. 18 and 19 S., Rs. 24 and 25 E., hereinafter described.</p> <p>Therefore the bearing of the north $1\frac{1}{2}$ miles of the E. bdy. is N.0°22'E., and the distance of each half mile is 40.20 chs.</p>
<p>True Lines.</p> <p>From the cor. of Tps. 19 and 20 S., Rs. 24 and 25 E., heretofore described.</p> <p>N.0°04'W., on true line on E. bdy. of sec. 36.</p> <p>Over rolling desert land, through scattering undergrowth.</p>	
14.50	<p>Small draw, course SE. Ascend gradual SW. slope 10 ft.</p>
28.10	<p>Top of spur, projects. SE. Thence over gradual NE. slope.</p>
40.00	<p>Northing of 40 chs. from the cor. of Tps. 19 and 20 S., Rs. 24 and 25 E.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with sandstone 4 x 4 x 4 ins. mkd. X, deposited at the base, for the $\frac{1}{4}$ sec. cor., for sec. 36 only, with brass cap mkd.</p> <div style="text-align: center;"> $\frac{1}{4}$ S 36 1931 </div> <p>No other suitable accessories available.</p>
40.15	<p>Proportionate point.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with a 1 pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., for sec. 31 only, with brass cap mkd.</p>

DEPENDENT RESURVEY OF THE EAST BDY. OF T.19 S., R. 24 E.

Chains	<div style="text-align: center;"> $\frac{1}{4}$ S 31 1931 </div> <p>No other suitable accessories available.</p>
41.20	Bottom of draw, course SE. Ascend gradual S. slope 50
80.00	<p>Northing of 80 chs. from the cor. of Tps. 19 and 20 S., Rs. 24 and 25 E.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with sandstone 10 x 8 x 6 ins. mkd. X, deposited at the base, for the cor. of secs. 25 and 36, with brass cap mkd.</p> <div style="text-align: center;"> T19S S25 <hr/> S36 R24E 1931 </div> <p>No other suitable accessories available.</p> <p>Land, rolling desert; general drainage and exposure S.</p> <p>Soil, clay loam; 2nd rate.</p> <p>Timber, none.</p> <p>Undergrowth, shadscale.</p> <p>Poor grazing.</p>
0.30	<p>N.0°04'W., on true line on the E. bdy. of sec. 25.</p> <p>Over rolling desert land, through scattering undergrowth</p> <p>At proportionate point.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with a 1 pint glass bottle deposited at the base, for the cor. of secs. 30 and 31, with brass cap m</p> <div style="text-align: center;"> T19S S30 <hr/> S31 R25E 1931 </div> <p>No other suitable accessories available.</p>
4.80	Road, bears NW. and SE.
6.20	Top of ridge, bears E. and W. Descend 80 ft. over N. slope to bottom of draw.
40.00	Northing of 40 chs. from the cor. of secs. 25 and 36.

64.30	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with a 1 pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor. for sec. 25 only, with brass cap mkd.
	$\frac{1}{4}$ S 25 1931
	No other suitable accessories available.
64.45	At proportionate point.
64.50	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., for sec. 30 only, with brass cap mkd.
	$\frac{1}{4}$ S 30 1931
	No other suitable accessories available.
64.30	Bottom of draw, course NW. Ascend 20 ft. over SW. slope.
71.40	Top of spur, slopes NW. Descend 30 ft. over NE. slope.
80.00	<p>Northing of 80 chs. from the cor. of secs. 25 and 36.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with sandstone 8 x 4 x 3 ins. mkd. X, deposited at the base, for the cor. of secs. 24 and 25, with brass cap mkd.</p>
	T19S S24 S25 R24E 1931
	No other suitable accessories available.
	Land, rolling desert; general drainage and exposure SE.
	Soil, clay loam; 2nd rate.
	Timber, none.
	Undergrowth, shadscale.
	Poor grazing.
0.60	<p>N 60° 04' W., on true line on the E. bdy of sec. 24.</p> <p>Over rolling desert land, through scattering undergrowth.</p> <p>At proportionate point</p>

DEPENDENT RESURVEY OF THE E. LINE OF TOWNSHIP 14 N.

Chains	
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with a pint glass bottle deposited at the base, for the cor. of secs. 19 and 30, with brass cap mkd.
	T19S S19 S30 R25E 1931
	No other suitable accessories available.
3.00	Bottom of draw, course E. Ascend 20 ft. over S. slope.
14.60	Top of spur, projects NE. Descend 45 ft. over NW. slope.
31.50	Bottom of draw, course NE. Ascend 30 ft. over SE. slope to top of spur.
40.00	Northing of 40 chs. from the cor. of secs. 24 and 25. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with a sandstone 8 x 4 x 4 ins. mkd. X, deposited at the base, for the $\frac{1}{4}$ sec. cor. of sec. 24 only, with brass cap mkd.
	S 24 1931
	No other suitable accessories available.
40.75	At proportionate point. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., for sec. 19 only, with brass cap mkd.
	$\frac{1}{4}$ S 19 1931
	and raise mound of stone, 3 ft. base, 2 ft. high, E. of the cor.
49.90	Top of spur, projects E. Descend 60 ft. over N. slope.
64.00	Bottom of draw, course E. Ascend 40 ft. over S. slope.
80.00	Northing of 80 chs. from the cor. of secs. 24 and 25. Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 13 and 24, with brass cap mkd.
	1931

2. AS DEPENDENT RESURVEY OF THE E. BOUNDARY LINE (S. R. 24 E.

Chains
 08 ...
 T19S
 S13
 S24
 R24E
 1931
 and raise mound
 of stone, 3 ft. base, 2 ft. high, W. of the cor.
 This cor. stands on top of spur, sloping SE.
 Land, rolling desert; general drainage and exposure SE.
 Soil, clay loam, 2nd rate.
 Timber, none.
 Undergrowth, shadscale.
 Poor grazing.

N.0°04'W., on true line on the E. bdy. of sec. 13.
 Over rolling desert land, through scattering undergrowth.
 Proportionate point.
 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in
 the ground, for the cor. of secs. 18 and 19, with
 brass cap mkd.

T19S
 S18
 S19
 R25E
 1931

and raise mound
 of stone, 3 ft. base, 2 ft. high, E. of the cor.
 Descend 40 ft. over N. slope.
 11.80 Bottom of draw, course E. Ascend 35 ft. over S. slope.
 22.90 Top of spur, projects SE. Descend NE. slope 60 ft.
 40.00 Northing of 40 chs. from the cor. of secs. 13 and 24.
 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
 the ground, with sandstone 8 x 4 x 2 ins. mkd. X,
 deposited at the base, for the $\frac{1}{4}$ sec. cor., for sec.
 13 only, with brass cap mkd.

$\frac{1}{4}$
 S 13
 1931

No other suitable accessories available.

41.05 Proportionate point

DEPENDENT RESURVEY OF THE E. Bdy. OF TOWNSHIP 134 N.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with a broken 1 pint glass bottle deposited at the base, for the $\frac{1}{2}$ sec. cor. for sec. 18 only, with brass cap mkd.

$\frac{1}{2}$
S 18

1931

No other suitable accessories available.

- 42.50 Bottom of draw, course SE. Ascend 40 ft. over SW. slope.
52.20 Top of spur, projects SE. Descend 40 ft. over NE. slope.
80.00 Northing of 80 chs. from the cor. of secs. 13 and 24.
Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 12 and 13, with brass cap mkd.

T19S
S12

S13
R24E
1931

and raise mound

of stone, 3 ft. base, 2 ft. high, W. of the cor.
Land, rolling desert; general drainage and exposure E.
Soil, clay loam; 2nd rate.
Timber, none,
Undergrowth, shadeless.
Poor grazing.

N.0°04'E., on true line on the E. bdy. of sec. 12.
Over rolling desert land, through scattering undergrowth.
At proportionate point,
Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 7 and 12, with brass cap mkd.

T19S
S 7

S13
R24E
1931

and raise mound

DEPENDENT RESURVEY OF THE E. BDY. OF T.19 S., R. 24 E.

Chains

of stone, 3 ft. base, 2 ft. high, E. of the cor.

7.60

Abandoned State Highway, bears E. and W.

7.70

Bottom of Westwater Creek, stream of salty water 5 lks. wide, course SE. Ascend 70 ft. over S. slope to top of spur.

14.00

Abandoned State Highway, bears NW. and SE.

40.00

Northing of 40 chs. from the cor. of secs. 12 and 13. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., for sec. 12 only with brass cap mkd.

$\frac{1}{4}$
S 12
1931

and raise mound

of stone, 3 ft. base, 2 ft. high, W. of the cor.

41.35

Intersect the orig. $\frac{1}{4}$ sec. cor., for secs. 7 and 12, which is a **limestone** 20 x 10 x 10 ins. firmly set, properly mkd. and witnessed as described in the official record.

At the exact corner point

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the orig. cor. deposited alongside for the $\frac{1}{4}$ sec. cor. for sec. 7 only, with brass cap mkd.

$\frac{1}{4}$
S 7
1931

and raise mound

of stone, 3 ft. base, 2 ft. high, E. of the cor.

Thence

N.0°22'E., on true line, with continuous measurement.

42.32

Top of spur, projects W. The west gable of Tomlinson's house bears N.48°52'W. Descend 30 ft. over N. slope.

45.30

Bottom of draw, course W. Also **Mountain States Tel. and Tel.** line bears N.42°47'E., and S.42°47'W.

62.00

Abandoned State Highway, bears NE. and SW.

62.50

Bottom of draw, course SW.

DEPENDENT RESURVEY OF THE E. BDY. OF T. 19 S., R. 24 E.

Chains
80.00

On top of ridge, bears NE. and SW. At northing of 60.0
from the cor. of secs. 12 and 13.
Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in
the ground, for the cor. of secs. 1 and 12, with brass
cap mkd.

T19S
S 1
S12
R24 E
1931

and raise mound
of stone, 3 ft. base, 2 ft. high, W. of the cor.
Land, rolling desert: general drainage and exposure SE.
Soil, clay loam; 2nd rate.
Timber, none.
Undergrowth, shadscale and greasewood.
Fair grazing.

1.55

N.0°22'E., on true line on the E. bdy. of sec. 1.
Over rolling desert land, through scattering undergrowth
At proportionate point.
Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in
the ground, with a broken pint glass bottle deposited
at the base, for the cor. of secs. 6 and 7, with brass
cap mkd.

T19S
S 6
S 7
R25E
1931

No other suitable accessories available.

34.00

Old abandoned railroad grade, bears NW. and SE.

40.00

Northing of 40 chs. from the cor. of secs. 1 and 12.
Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, for the $\frac{1}{4}$ sec. cor., for sec. 1 only,
with brass cap mkd.

$\frac{1}{4}$
S 1
1931

and raise mound

DEPENDENT RESURVEY OF THE E. BDY. OF T. 19 S., R. 24 E.

- 38.00 of stone, 3 ft. base, 2 ft. high, W. of the cor.
Descend 50 ft. over N. slope to bottom of draw.
- 41.75 W. gable of Tomlinson's house bears S. 23° 04' W.
- 41.75 At proportionate point
Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, for the $\frac{1}{4}$ sec. cor., for sec. 6 only, with
brass cap mkd.
- $\frac{1}{4}$
 S 6
 1931
- and raise mound
of stone, 3 ft. base, 2 ft. high, E. of the cor.
- 50.00 Bottom of draw, course SW. Ascend 60 ft. over SE. slope.
The old railroad grade crosses the draw and the line at
this point, making small reservoir.
- 54.70 Top of spur, projects SW. Descend 60 ft. over NW. slope.
- 60.80 Bottom of draw, course SW. Ascend 30 ft. over SE. slope.
- 68.30 Top of spur, projects SW. Descend 20 ft. over NW. slope.
- 77.00 Bottom of draw, course SW.
- 81.95 Intersect the cor. of Tps. 18 and 19 S., Rs. 24 and 25 E.,
which is an iron post, 3 ins. in diam., extending 6
ins. above ground, firmly set, properly and
witnessed as described in the official record.
Land, rolling desert; general drainage and exposure SW.
Soil, clay loam; 2nd rate.
Timber, none.
Undergrowth, shadscale.
Poor grazing.

DEPENDENT RESURVEY OF THE W. BDY. OF T. 19 S., R. 24 E.

"Reestablishment of surveys executed by Heist and Stumm
U.S. Deputy Surveyors in 1909".

Random Lines.

From the cor. of Tps. 19 and 20 S., Rs. 23 and 24 E.,
heretofore described.

North, on random line bet. secs. 31 and 36.

DEPENDENT RESURVEY OF THE W. BDY. OF T. 19 S., R. 24 E.

Chains 40.23	<p>Fall 4 lks. W. of the $\frac{1}{4}$ sec. cor., for secs. 31 and 36 hereinafter described.</p> <p>Therefore the true bearing of this half mile is N. 90° 03' E., and the distance is 40.23 chs.</p> <p>From the $\frac{1}{4}$ sec. cor.</p> <p>North, on random line with continuous measurement.</p>	secs. 31 and 36
80.27	<p>Fall 7 lks. W. of the cor. of secs. 25, 30, 31 and 36, hereinafter described.</p> <p>Therefore the true bearing of this half mile is N. 0° 06' E., and the distance is 40.04 chs.</p>	
40.05	<p>From the cor. of secs. 25, 30, 31 and 36.</p> <p>North, on random line bet. secs. 25 and 30.</p> <p>Fall 5 lks. W. of the $\frac{1}{4}$ sec. cor., for sec. 25 and 30, hereinafter described.</p> <p>Therefore the true bearing of this half mile is N. 0° 04' E., and the distance is 40.05 chs.</p> <p>From the $\frac{1}{4}$ sec. cor.</p> <p>North, on random line with continuous measurement.</p>	
80.03	<p>Fall 7 lks. W. of the cor. of secs. 19, 24, 25 and 30, hereinafter described.</p> <p>Therefore the true bearing of this half mile is N. 0° 06' E., and the distance is 39.98 chs.</p>	
40.12	<p>From the cor. of secs. 19, 24, 25 and 30.</p> <p>North, on random line bet. secs. 19 and 24.</p> <p>Fall 6 lks. W. of the $\frac{1}{4}$ sec. cor., for secs. 19 and 24, hereinafter described.</p> <p>Therefore the true bearing of this half mile is N. 0° 05' E. and the distance is 40.12 chs.</p> <p>From the $\frac{1}{4}$ sec. cor.</p> <p>North, on random line, with continuous measurement.</p>	
80.22	<p>Fall 7 lks. W. of the cor. of secs. 13, 18, 19 and 24, hereinafter described.</p> <p>Therefore the true bearing of this half mile is N. 0° 06' E. and the distance is 40.10 chs.</p>	

From the cor. of secs. 13, 18, 19 and 24.
North on random line bet. secs. 13 and 18.
Fall 2 lks. W. of the $\frac{1}{4}$ sec. cor., for secs. 13 and 18,
hereinafter described.
Therefore the true bearing of this half mile is N.0°02'E.,
and the distance is 40.11 chs.

From the $\frac{1}{4}$ sec. cor.
North, on random line bet. secs. 13 and 18.
Fall 7 lks. W. of the cor. of secs. 7, 12, 13 and 18,
hereinafter described.
Therefore the true bearing of this half mile is N.0°06'E.
and the distance is 40.13 chs.

From the cor. of secs. 7, 12, 13 and 18.
North, on random line bet. secs. 7 and 12.
Intersect the $\frac{1}{4}$ sec. cor., for secs. 7 and 12, hereinafter
described.
Therefore the true bearing of this half mile is North,
and the distance is 40.06 chs.

From the $\frac{1}{4}$ sec. cor.
North, on random line bet. secs. 7 and 12.
Fall 4 lks. E. of the cor. of secs. 1, 6, 7 and 12,
hereinafter described.
Therefore the true bearing of this half mile is N.0°03'W.,
and the distance is 40.05 chs.

From the cor. of secs. 1, 6, 7 and 12.
North, on random line bet. secs. 1 and 6.
Fall 15 lks. W. of the $\frac{1}{4}$ sec. cor. for secs. 1 and 6,
hereinafter described.
Therefore the true bearing of this half mile is N.0°13'E.,
and the distance is 40.09 chs.

From the $\frac{1}{4}$ sec. cor..
North on random line bet. secs. 1 and 6.
Fall 17 lks. W. of the cor. of Tps. 18 and 19 S., R. 23 E.,
hereinafter described.
Therefore the true bearing of this half mile is N.0°16'E.,
and the distance is 36.79 chs.

From the cor. of Tps. 18 and 19 S., R. 23 E.

DEPENDENT RESURVEY OF THE W. Bdy. sec. 6, Tps. 18 and 19 S., R. 24 E.,

Chains

North on random line along W. bdy. sec. 6, with continuous measurement.

82.78

Intersect the cor. of Tps. 18 and 19 S., R. 24 E., which was witnessed as described in the official record. Therefore the bearing of this fractional half mile is North, and the distance is 5.90 chs.

TRUE LINES.

From the cor. of Tps. 19 and 20 S., Rs. 23 and 24 E., heretofore described.

N.0°03'E., on true line bet. secs. 31 and 36.

Over rolling desert land, through scattering undergrowth. Ascend 140 ft. over gradual S. slope.

25.10

Top of ridge, bears NE. and SW. gradual descent over E. slope 110 ft. to bottom of draw.

40.23

Intersect the $\frac{1}{4}$ sec. cor., for secs. 31 and 36, which is a sandstone, 16 x 8 x 2 ins. above ground, firmly set, properly mkd. and witnessed as described in the official record.

At the exact cor. point.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in ground, with the original cor. deposited at the base, the $\frac{1}{4}$ sec. cor., with brass cap mkd.

\uparrow
 S 36 S 31
 1931

raise mound of

stone, 3 ft. base, 2 ft. high, W. of the cor.

Thence N.0°06'E. with continuous measurement.

51.90

Bottom of draw, course NE. Ascend 30 ft. over SE. slope

75.90

Top of spur, projects NE. Descend 20 ft. over NW. slope

80.27

Intersect the cor. of secs. 25, 30, 31 and 36, which is an iron post, 3 ins. in diam., firmly set, properly mkd. and witnessed as described in the official record.

Land, rolling desert; general drainage and exposure NE.

Chains Soil, clay loam; 2nd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

N.0°04'E., on true line bet. secs. 25 and 30.

Over rolling desert land through scattering undergrowth.

Descend 70 ft. over NW. slope to bottom of Cottonwood Wash.

20.00 Bottom of irrigation ditch, drains E. from SW.

22.90 Bottom of wash, course NE.

26.00 Bottom of wash, course NE.

40.05 Intersect the $\frac{1}{4}$ sec. cor., of secs. 25 and 30, which is a sandstone, 8 x 8 x 3 ins. above ground, firmly set, properly mkd. and witnessed as described in the official record.

At the exact cor. point.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the original cor. deposited at the base, also deposited broken glass at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S 25 | S 30
 1931

Thence

N.0°06'E., on true line, with continuous measurement.

43.20 Bottom of Cottonwood Wash, stream of water, 3 lks. wide, course east from SW. Ascend 80 ft. over S. slope.

77.50 Top of spur, slopes SE. Descend 10 ft. over NW. slope.

80.03 Intersect the cor. of secs. 19, 24, 25 and 30, which is an iron post, 3 ins. diam., firmly set, properly mkd., and witnessed as described in the official record.

Land, rolling desert; general drainage and exposure NE.

Soil, clay loam; 3rd rate.

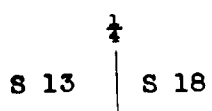
Timber, none.

Undergrowth, shadscale.

DEPENDENT RESURVEY OF THE E. & W. RAILROAD

Chains	Poor grazing.	Later mks. made by ...
		... road, ...
		N.0°05'E., on true line bet. secs. 12 and 24.
		Over rolling desert land through scattering undergrowth.
		Descend 10 ft. over N. slope.
16.50	Bottom of draw, course E.	... S. 10°00'W.
22.00	Top of low spur, slopes E.	... S. 10°00'W.
25.10	Bottom of draw, course SE.	... S. 10°00'W.
37.90	Top of low spur, slopes SE.	... S. 10°00'W.
40.12	Intersect the $\frac{1}{4}$ sec. cor., for secs. 19 and 24, which is a sandstone, 8 x 6 x 3 ins. above ground, firmly set properly mkd. and witnessed as described in the official record.	
	At the exact cor. point.	
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the original cor. and broken glass for $\frac{1}{4}$ sec. cor. deposited at the base, with brass cap mkd.	
		$\begin{array}{c} \frac{1}{4} \\ \\ S\ 24\ S\ 19 \\ \\ 1931 \end{array}$
	Thence	
	N.0°06'E., on true line with continuous measurement.	
43.60	Bottom of draw, course SE.	
61.40	Top of low spur, slopes SE.	
80.22	Intersect the cor. of secs. 13, 18, 19 and 24, which is an iron post, 3 ins. diam., firmly set, properly mkd. and witnessed as described in the official record.	
	Land, rolling desert; general drainage and exposure SE.	
	Soil, clay loam; 3rd rate.	
	Timber, none.	
	Undergrowth, shadscale.	
	Poor grazing.	
	N.0°02'E., on true line bet. secs. 12 and 18.	
	Over rolling desert land, through scattering undergrowth.	
	Ascend 25 ft. over S. slope.	

Chains
44.80w Top of spur, slopes E.
55.80 Bottom of draw, course E.
60.00 Intersect the 1/4 sec. cor., for secs. 13 and 18, which is a sandstone, 8 x 3 x 2 ins. above ground, firmly set, properly mkd. and witnessed as described in the official records.
At the exact corner point.
Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the original cor. and broken glass deposited at the base, for the 1/4 sec. cor., with brass cap mkd.



1931

Thence
N. 0° 06' E., on true line with continuous measurement.
47.80 Top of low spur, slopes SE.
70.90 Bottom of wash, course SE.
80.24 Intersect the cor. of secs. 7, 12, 13 and 18, which is an iron post, 3 ins. diam., firmly set, properly mkd. and witnessed as described in the official record.
Land, rolling desert, general drainage and exposure SE.
Soil, clay loam; 3rd rate.
Timber, none.
Undergrowth, shedscale.
Poor grazing.

North on true line bet. secs. 7 and 12.
Over rolling desert land, through scattering undergrowth.

Ascend 330 ft. over SE. slope.
6.90 Commence abrupt ascent. Foot ascent bears E. and NW.
19.40 Top of ascent and ledge, 50 ft. high, bears E. and NW.
Gradual descent of 60 ft. over N. slope, to the 1/4 sec. cor.
Enter medium growth of juniper and pinon timber bears

DEPENDENT RESURVEY OF THE W. 1/4, 102 T. 33 N. R. 30 E.

Chains	NW. and SE.	aries
40.06	<p>Intersect the $\frac{1}{4}$ sec. cor., for secs. 12 and 13, which is a sandstone, 14 x 6 x 4 ins. above ground, firmly set, properly mkd. and witnessed as described in the official record.</p> <p>At the exact corner point.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., over & cut solid surface rock, and surrounded by mound of stone to the top; deposit the original cor. at the base of the mound, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.</p>	
	<p style="text-align: center;"> $\frac{1}{4}$ S 12 S 7 1931 </p>	
	<p>Thence</p> <p>N.0°03'W., on true line with continuous measurement.</p> <p>Continue descent of 185 ft. over N. slope.</p>	
80.11	<p>Intersect the cor. of secs. 1, 6, 7 and 12, which is an iron post, 3 ins. diam., firmly set, properly mkd. and witnessed as described in the official record.</p> <p>Land, broken desert; general drainage and exposure SE. and N.</p> <p>Soil, sandy loam; 3rd rate.</p> <p>Timber, juniper and pinon.</p> <p>Undergrowth, shedscale and sagebrush.</p> <p>Poor grazing.</p>	
	<p>N.0°13'E., on true line bet. secs. 1 and 6.</p> <p>Over broken desert land, through medium growth of undergrowth. Leave timber bears E. and W.</p> <p>Gradual descent of 30 ft. over N. slope.</p>	
12.70	Bottom of wash, course E. Thence over broken SE. slope.	
21.00	Low spur, slopes SE.	
25.10	Small wash, course SE.	
40.09	<p>Intersect the $\frac{1}{4}$ sec. cor., for secs. 11 and 12, which is a sandstone, 10 x 8 x 6 ins. above ground, firmly set, properly mkd. and witnessed as described in the official</p>	

DEPENDENT RESURVEY OF THE W. BDY. OF T. 19 S., R. 24 E.

Chains record.

At the exact corner point.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with the original

cor. deposited along side, for the $\frac{1}{4}$ sec. cor., with

~~was captured~~

$\frac{1}{4}$
S 1 | S 6

28.30 1931.

Thence

N.0°16'E., on true line with continuous measurement.

Abrupt ascent of 315 ft. over SE. slope.

58.70 Top of sandstone spur, slopes N.70°E.

Gradual descent of 140 ft. over NE. slope to Tps. cor.

67.00 Enter scattering juniper timber, bearing E. and W.

73.00 Head of draw, course NW.

76.88 Intersect the cor. of Tps. 18 and 19 S., R. 23 E., which is an iron post, 3 ins. diam., firmly set, properly mkd. and witnessed as described in the official record.

Thence

North, on true line with continuous measurement.

82.78 Intersect the cor. of Tps. 18 and 19 S., R. 24 E., which is an iron post, 3 ins. diam., firmly set, properly mkd. and witnessed as described in the official record.

Land, broken desert; general drainage and exposure SE. and NW.

Soil, sandy loam; 3rd rate..

Timber, juniper.

Undergrowth, shadscale and sagebrush.

Poor grazing.

SUBDIVISION OF T. 19 S., R. 24 E.

From the cor. of secs. 25 and 36, on the E. bdy., heretofore described.

S. 89°48'W., on random governing section line, bet. secs.

SUBDIVISION OF T. 19 S., R. 24 E., T. 19 N., R. 24 E.

Chains	25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Set temp. cor. of secs. 25, 26, 35 and 36.
	From the temp. cor. of secs. 25, 26, 35 and 36.
	South, on random line between sections 35 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.01	Intersect S. bdy., 27 lks. W. of the cor. of secs. 35 and 36, heretofore described.
	Thence
	From the cor. of secs. 35 and 36.
	North, on true line between sections 35 and 36.
	Over rolling desert land through scattering undergrowth.
38.50	Top of low divide bet. Westwater and Cottonwood creeks, bears NE. and SW.
39.01	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with sandstone 4 x 4 x 6 ins. mkd. X, deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	<div style="text-align: center;"> $\frac{1}{4}$ S 35 S 36 1931 </div>
	No other suitable accessories available.
78.70	Small draw, course SW.
79.01	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with sandstone 8 x 6 x 4 ins. mkd. X, deposited at the base, for the cor. of secs. 25, 26, 35 and 36, with brass cap mkd.
	<div style="text-align: center;"> T19S R24E S26 S25 S35 S36 1931 </div>
	No other suitable accessories available.
	Land rolling desert; general drainage and exposure SE.
	Soil, clay loam; 3rd rate.
	Timber, none.
	Undergrowth, shadscale.

Chains	Poor grazing.
0.50	N. 89° 48' E., on governing sec. line, bet. secs. 25 and 36.
36.10	Over rolling desert land, through scattering undergrowth.
59.865	Head of small draw, course SW.
	An ungraded road, bears NW. and SE.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with a pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	S 25
	$\frac{1}{4}$ ———
	S 36
	1931
	No other suitable accessories available.
	Ascend 20 ft. over gradual SW. slope.
58.60	Top of low divide slopes SW. Descend 20 ft. over NE. slope.
72.00	Ungraded road on top of divide bears NE. and SW.
79.73	Bottom of draw, course SE. Ascend 20 ft. over SW. slope.
	Intersect the cor. of secs. 25 and 36, on the E. bdy., heretofore described.
	Land rolling desert; general drainage and exposure SE.
	Soil, clay loam; 3rd rate.
	Timber, none.
	Undergrowth, shadscale.
	Poor grazing.
	From the cor. of secs. 25, 26, 35 and 36.
	North, on governing section line, bet. secs. 25 and 26.
	Over rolling desert land through scattering undergrowth.
0.30	Small wash, course SE.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with a pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$
	S 25 S 25
	1931
	No other suitable accessories available.
45.10	An ungraded road, bears NW. and SE.

SUBDIVISION OF T. 19 S. R. 24 E.

Chains	
59.00	Top of low divide, bet. Westwater and Cottonwood creeks bears NW. and SE.
70.80	Small wash, course NE.
79.60	Small wash, course NE.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with a pint glass bottle deposited at the base, for the corner of secs. 23, 24, 25 and 26, with brass cap mkd.
	<div style="text-align: center;"> T19S R24E S23 S24 --- S26 S25 1931 </div>
	No other suitable accessories available.
	Land, rolling desert; general drainage and exposure NE. and SE.
	Soil, clay loam; 3rd rate.
	Timber, none.
	Undergrowth, shadscale.
	Poor grazing.
40.00	N. 89° 48' E., on random line, bet. secs. 24 and 25.
79.49	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect the E. bdy., 16 lks. S. of the cor. of secs. 24 and 25, heretofore described.
	Thence
	S. 89° 41' W., on true line bet. secs. 24 and 25.
	Over rolling desert land, through scattering undergrowth.
1.80	Small wash, course N.
18.60	Small wash, course NE.
26.30	Small wash, course NE.
39.49	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with glass pint bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	<div style="text-align: center;"> S 24 --- $\frac{1}{4}$ S 25 1931 </div>

SUBDIVISION OF T.19 S., R. 24 E.

Chains No other suitable accessories available.

71.60 Small wash, course NE.

79.00 Small wash, course NE.

79.49 The cor. of secs. 23, 24, 25 and 26.

Land, rolling desert; general drainage and exposure NE.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale and greasewood.

Poor grazing.

North on governing section line bet. secs. 23 and 24.

Over rolling desert land, through scattering undergrowth.

7.40 Small wash, course E.

28.20 Small wash, course E. Ascend 20 ft. over gradual N. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S 23 | S 24
 1931

No other suitable accessories available.

40.50 Small wash, course E.

46.10 Small wash, course E.

60.70 Small wash, course E.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 13, 14, 23 and 24, with brass cap mkd.

T19S R24E
 S14 | S13
 S23 | S24
 1931

and raise

mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, rolling desert; general drainage and exposure E.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale.

SUBDIVISION OF T. 19 S., R. 24 E.,

Chains	Poor grazing.	68.14
	N. 89° 41' E., on random line bet. secs. 13 and 24.	60.97
40.00	Set temp. $\frac{1}{4}$ sec. cor.	61.97
79.37	Intersect E. bdy., 3 lks. N. of the cor. of secs. 13 and 24, heretofore described.	
	Thence	
	S. 89° 42' W., on true line bet. secs. 13 and 24.	
	Over rolling desert land, through scattering undergrowth.	
2.50	Top of spur, slopes SE. Descend 30 ft. over SW. slope.	
12.50	Bottom of wash, course SE.	
39.37	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	<div style="text-align: center;"> $\frac{1}{4}$ <div style="display: inline-block; vertical-align: middle;"> <div>S 13</div> <hr style="width: 50px; border: 0.5px solid black;"/> <div>S 24</div> </div> <div>1931</div> </div>	
	No other suitable accessories available.	
45.00	Bottom of wash, course SE.	
72.30	Small wash, course S.	
79.37	The cor. of secs. 13, 14, 23 and 24.	
	Land, rolling desert; general drainage and exposure SE.	
	Soil, clay loam; 3rd rate.	
	Timber, none.	
	Undergrowth, shadscale.	
	Poor grazing.	
	North on governing section line, bet. secs. 13 and 14.	
	Over rolling desert land, through scattering undergrowth.	
21.90	Abandoned Pikes Peak Ocean to Ocean Highway, bears N. 38° E., and S. 38° W.	
22.80	Mountain States Telephone and Telegraph line, bears N. 38° E., and S. 38° W.	
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with broken pint bottle glass, deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	

Chains

at . and of S 14 S 13
 , read out to station 1931

No other suitable accessories available.

- 43.60 Small draw, course SE.
- 47.70 Ungraded road, bears E. and W.
- 58.10 Small wash, course SE.
- 77.30 Small wash, course E.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 11, 12, 13 and 14, with brass cap mkd.

T19S	R24E
S11	S12
S14	S13
1931	

and raise mound of stone, 3 ft. base, 2 ft. high, W. of the cor. This corner stands on top of spur, slopes NE. Land, rolling desert; general drainage and exposure SE. Soil, clay loam; 3rd rate. Timber, none. Undergrowth, shadscale. Poor grazing.

N. 89° 42' E., on random line bet. secs. 12 and 13.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.17 Intersect the E. bdy., 5 lks. S. of the cor. of secs. 12 and 13, heretofore described.

Thence

S. 89° 40' W., on true line bet. secs. 12 and 13.

Over rolling desert land, through scattering undergrowth. Ascend 50 ft. over NE. slope to top of spur.

- 6.00 Abandoned Pikes Peak Ocean to Ocean Highway, bears NE. from S. 60° W.

- 9.10 Top of spur, slopes SE. Descend 30 ft. over SW. slope.
- 24.00 Small wash, course SE.

- 35.60 Mountain States Telephone and Telegraph Line, bears

SUBDIVISION OF T. 19 S. R. 24 E.

Chains	N. 40° E., and S. 40° W.	ended
39.17	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with broken pint glass bottle at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	$\begin{array}{r} S\ 12 \\ \frac{1}{4} \\ S\ 13 \\ 1931 \end{array}$	
	No other suitable accessories available.	
	Ascend 50 ft. over SE. slope to top of spur.	
44.50	Old railroad grade, bears NE. and SW.	
58.80	Top of spur, slopes NE. Descend 30 ft. over NW. slope.	
74.30	Bottom of wash, course NE. Ascend 40 ft. over SE. slope.	
77.40	Top of spur, slopes NE.	
79.17	The cor. of secs. 11, 12, 13 and 14.	
	Land, rolling desert; general drainage and exposure SE.	
	Soil, clay loam; 3rd rate.	
	Timber, none.	
	Undergrowth, shadscale.	
	Poor grazing.	
	North on governing section line, bet. secs. 11 and 12.	
	Over rolling desert land through scattering undergrowth.	
	Descend 30 ft. over NE. slope.	
32.70	Bottom of Sulphur Wash, course SE.	
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with broken pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	$\begin{array}{ccc} & \frac{1}{4} & \\ S\ 11 & & S\ 12 \\ & 1931 & \end{array}$	
	No other suitable accessories available.	
	Continue over rolling desert land.	
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with broken pint glass bottle deposited at the base, for the cor. of secs. 1, 2, 11 and 12, with brass cap mkd.	

SUBDIVISION OF T. 19 N. R. 24 E. S. 34 E.

T19S R24E

S 2 S 1

S11 S12

1931

No other suitable accessories available.

Land, rolling desert; general drainage and exposure SE.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

N. 89° 40' E., on random line bet. secs. 1 and 12.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.31 Intersect the cor. of secs. 1 and 12, on the E. bdy., heretofore described.

Thence

S. 89° 40' W., on true line bet. secs. 1 and 12.

Over rolling desert land, through scattering undergrowth.

Descend 50 ft. over NW. slope.

19.30 Bottom of Westwater Creek, stream of water 3 lks. wide, course SW.

20.40 Brush fence bears NE. and SW.

27.10 Wash, course SE.

27.30 Enter cultivated land, bears N. and S.

33.20 Leave cultivated land bears N. and S. Irrigating ditch draining SE.

33.25 Fence, four barbed wires, bears N. 9° W., and S. 9° E.

35.70 Old railroad grade, bears N. 15° E., and S. 15° W.

39.31 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with broken pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mtd.

$\frac{1}{4}$ $\frac{S 1}{S 12}$
1931

No other suitable accessories available.

Ascend 40 ft. over SE. slope.

79.31 The cor. of secs. 1, 2, 11 and 12.

SUBDIVISION OF T. 19 S., R. 24 E.

Chains	Land, rolling desert; general drainage and exposure Soil, clay loam; 2nd rate. Timber, none. Undergrowth, shadscale and greasewood. Poor grazing.
	North on random line bet. secs. 1 and 2.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
82.31	Intersect the N. bdy., 24 lks. E. of the cor. of secs. 1, 2, 35 and 36, which is an iron post, 2 ins. diam., firmly set, properly mkd. and witnessed as described in the official record. Thence S.0°10'E., on true line bet. secs. 1 and 2. Over rolling desert land, through scattering undergrowth.
20.10	Bottom of small wash, course SE.
34.90	Small wash, course SE.
42.31	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with broken glass pint bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$ \begin{array}{c} \frac{1}{4} \\ \text{S } 2 \quad \quad \text{S } 1 \\ 1931 \end{array} $
	No other suitable accessories available. Continue over rolling desert land.
82.31	The cor. of secs. 1, 2, 11 and 12. Land, rolling desert; general drainage and exposure SE. Soil, clay loam; 3rd rate. Timber, none. Undergrowth, shadscale. Poor grazing.
	From the cor. of secs. 25, 26, 35 and 36. S.89°48'W., on random governing section line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.

SUBDIVISION OF T.19 S., R. 24 E.

Chains

00.00 Set temp. cor. of secs. 26, 27, 34 and 35.

From the temp. cor. of secs. 26, 27, 34 and 35.

S.0°01'E., on random line bet. secs. 34 and 35.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

78.90 Intersect the S. bdy., 2 lks. W. of the cor. of secs. 34 and 35, heretofore described.

Thence

N.0°01'W., on true line, bet. secs. 34 and 35.

Over rolling desert land, through scattering undergrowth.

28.20 Small wash, course SE.

38.90 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S 34 | S 35
 1931

No other suitable accessories available.

49.40 Small wash, course SE.

76.20 Small wash, course SE.

78.90 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with pint glass bottle, deposited at the base, for the cor. of secs. 26, 27, 34 and 35, with brass cap mkd.

T19S R24E.
 S27 | S26
 S34 | S35
 1931

No other suitable accessories available.

Land, rolling desert; general drainage and exposure SE.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

N.89°48'E., on governing section line bet. secs. 26 and

SUBDIVISION OF T. 19 S. R. 12 E.

Chains	35.	Over rolling desert land, through scattering undergrowth.
38.20		Bottom of wash, course S.
39.99		Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with glass pint bottle deposited at the base for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$	S. 26
		S. 35
		1931
		No other suitable accessories available.
54.20		Wash, course S.
67.90		Bottom of wash, course S.
79.98		The cor. of secs. 25, 26, 35 and 36.
		Land, rolling desert; general drainage and exposure S.E.
		Soil, clay loam; 3rd rate.
		Timber, none.
		Undergrowth, shadscale.
		Poor grazing.
		From the cor. of secs. 26, 27, 34 and 35 .
		N. 0° 01' W., on true line bet. secs. 26 and 27.
		Over rolling desert land, through scattering undergrowth.
3.30		Small wash, course SW.
13.40		Same wash, course SE.
40.00		Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$	S. 27 S. 26
		1931
		No other suitable accessories available.
77.10		Abandoned Pikes Peak Ocean to Ocean Highway, bears N. 38° E. and S. 38° W.
78.50		Mountain States Telephone and Telegraph line, bears N. 38° E., and S. 38° W.
80.00		Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in

Chains to the ground, for the cor. of secs. 22, 23, 26 and 27, with brass cap mkd.

T19S	R24E
S22	S23
S27	S26
1931	

and raise mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, rolling desert; general drainage and exposure S.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

N.89°48'E., on random line bet. secs. 23 and 26.

Set temp. $\frac{1}{4}$ sec. cor.

Intersect N. and S. line, 9 lks. S. of the cor. of secs. 23, 24, 25 and 26.

Thence

S.89°44'W., on true line bet. secs. 23 and 26.

Over rolling desert land, through scattering undergrowth.

Ascend 40 ft. over E. slope.

Top of low ridge, divide bet. Cottonwood and Westwater Creeks, bears NW. and SE.

Ungraded road, bears NW. and SE.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with pint glass bottle, deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$	S 23
	S 26
	1931

No other suitable accessories available.

Abandoned Pikes Peak Ocean to Ocean Highway, bears N.38°E., and S.38°W.

Mountain States Telephone and Telegraph Line, bears N.38°E., and S.38°W.

The cor. of secs. 22, 23, 26 and 27.

SUBDIVISION OF T.19 S., R.24 E.

Chains	Land, rolling desert; general drainage and exposure SW. Soil, clay loam; 3rd rate. Timber, none. Undergrowth, shadscale. Poor grazing.
	N.0°01'W., on true line bet. secs. 22 and 23.
	Over rolling desert land, through scattering undergrowth
30.80	Top of low ridge, divide bet. Westwater and Cottonwood Greeks, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{c} \frac{1}{4} \\ S\ 22 \quad \quad S\ 23 \\ 1931 \end{array}$
	No other suitable accessories available.
44.00	Bottom of wash, course SE. Ascend 100 ft. over SW. slope.
74.00	Top of ridge, bears NE. and SW. Descend 20 ft. over NW. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 14, 15, 22 and 23, with brass cap mkd.
	$\begin{array}{c} T19S\ R24E \\ S15\ \ S14 \\ \hline S22\ \ S23 \\ 1931 \end{array}$
	and raise mound of stone 3 ft. base, 2 ft. high, W. of the cor.
	Land, rolling desert; general drainage and exposure SW. Soil, clay loam; 3rd rate. Timber, none. Undergrowth, shadscale. Poor grazing.
	N.89°44'E., on random line bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.

SUBDIVISION OF T119 SEC. 14, 23, 24

00.00	Intersect N. and S. line 7 lks. S. of the cor. of secs. 13, 14, 23 and 24.
	Thence
	S.89°41'W., on true line bet. secs. 14 and 23.
	Over rolling desert land, through scattering undergrowth.
12.20	Small wash, course SW.
16.90	Abandoned Pikes Peak Ocean to Ocean Highway, bears N.38°E., and S.38°W.
17.40	Mountain States Telephone and Telegraph Line, bears N.38°E., and S.38°W.
33.00	Bottom of wash, course SE.
40.04	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	S 14
	$\frac{1}{4}$
	S 23
	1931
	No other suitable accessories available.
43.60	Small wash, course SE. Ascend 160 ft. over E. slope.
45.30	Ungraded road, bears NE. and SW.
74.60	Top of spur, slopes N. Descend 10 ft. over W. slope.
80.08	The cor. of secs. 14, 15, 22 and 23.
	Land, rolling desert; general drainage and exposure SE.
	Soil, clay loam; 3rd rate.
	Timber, none.
	Undergrowth, shedscale.
	Poor grazing.
	N.0°01'W., bet. secs. 14 and 15.
	Over rolling land, through scattering undergrowth.
1.20	Small wash, course NE. Ascend 10 ft. over SE. slope.
5.30	Top of spur, slopes NE. Descend 60 ft. over NW. slope.
12.80	Bottom of draw, course NE. Ascend 40 ft. over SE. slope.
25.50	Top of spur, slopes NE. Descend 60 ft. over NW. slope.
36.90	Bottom of draw, course NE.

SUBDIVISION OF T19S R24E

Chains
40.00

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S 15 | S 14
 1931

and raise

mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

42.60 Ungraded road to Sulphur Canyon, bears NW. and SE.

56.50 Top of spur, slopes E.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground over X cut in solid rock and surrounded to the top in a mound of stone, for the cor. of secs. 10, 11, 14 and 15, with brass cap mkd.

T19S R24E
 S10 | S11
 S15 | S14
 1931

No other suitable accessories available.

Land, rolling desert; general drainage and exposure NE.

Soil, clay loam; 3rd. rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

N.89°41'E., on random line bet. secs. 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect N. and S. line at the cor. of secs. 11, 12, 13 and 14.

Thence

S.89°41'W., on true line bet. secs. 11 and 14.

Over rolling desert land, through scattering undergrowth.

35.30 Small wash, course SE.

40.02 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with broken pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

SUBDIVISION OF T. 19 S., R. 24 E.

Chains	<p> $\frac{1}{4}$ S 11 1931 </p> <p>No other suitable accessories available.</p> <p>Ascend 140 ft. to the sec. cor.</p>
50.60	Bottom of draw, course NE.
55.40	Edge of low mesa, bears NW. and SE.
80.04	The cor. of secs. 10, 11, 14 and 15.
	<p>Land, rolling desert; general drainage and exposure SE. and NE.</p> <p>Soil, clay loam; 3rd rate.</p> <p>Timber, none.</p> <p>Undergrowth, shadscale.</p> <p>Poor grazing.</p>
	<p>N. 0° 01' W., bet. secs. 10 and 11.</p> <p>Over rolling desert land, through scattering undergrowth.</p> <p>Descend 70 ft. over N. slope to bottom of draw.</p>
19.90	Edge of mesa, bears E. and W.
24.60	Bottom of draw, course E. Ascend 70 ft. over S. slope to the $\frac{1}{4}$ sec. cor.
27.60	Edge of mesa, bears E. and W. Thence over top of mesa.
40.00	<p>Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.</p> <p> $\frac{1}{4}$ S 10 S 11 1931 </p> <p>and raise</p>
80.00	<p>mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid rock, and surrounded by mound of stone to the top for the cor. of secs. 2, 3, 10 and 11, with brass cap mkd.</p> <p> T19S R24E S3 S 2 S10 S11 1931 </p>
	No other suitable accessories available.

SUBDIVISION OF T. 19 S., R. 24 E.

Chains	Land, rolling desert; general drainage and exposure SE. Soil, clay loam; 3rd rate. Timber, none. Undergrowth, shadscale. Poor grazing.
40.00	N. 89° 41' E., on random line bet. secs. 2 and 11 Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 1, 2, 11 and 12. Thence S. 89° 43' W., on true line bet. secs. 2 and 11. Over rolling desert land, through scattering undergrowth.
9.30	Small wash, course SE.
20.40	Small wash, course SE. Ascend 80 ft. over NE. slope.
38.50	Top of spur, slopes SE. Descend 70 ft. over SW. slope to bottom of wash.
40.05	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with broken glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd. <div style="text-align: center;">S 2 $\frac{1}{4}$ ——— S 11 1931</div>
60.20	No other suitable accessories available. Sulphur Bottom of wash, course SE. Ascend 110 ft. over SE. slope.
78.70	Edge of mesa, bears NE. and SW. Thence over mesa top.
80.10	The cor. of secs. 2, 3, 10 and 11. Land, rolling desert; general drainage and exposure SE. Soil, clay loam; 3rd rate. Timber, none. Undergrowth, shadscale. Poor grazing.
40.00	N. 0° 10' W., on random line bet. secs. 2 and 3. Set temp. $\frac{1}{4}$ sec. cor.,
82.56	Intersect the N. bdy., 21 lks. W. of the cor. of secs. 2, 3, 34 and 35, which is an iron post, 2 in. diam.,

SUBDIVISION OF T. 19 S., R. 24 E.

Chains firmly set, properly mkd. and witnessed as described in the official record.

Thence S.0°01'E., on true line bet. secs. 2 and 3.

Over rolling desert land, through scattering undergrowth.

10.60 Edge of mesa, bears NW. and SE. Descend 100 ft. over SW. slope.

25.40 Bottom of draw, course SW. from NW.

30.20 Bottom of draw, course E. (same draw)

37.60 Bottom of same wash, course E. from NE.

42.56 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S 3 | S 2
 1931

and raise

mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Ascend 20 ft. over NE. slope.

46.20 Top of spur, slopes SE. Descend 80 ft. over SW. slope.

50.20 Bottom of Sulphur Wash, course SE.

58.00 Bottom of draw, course E. Ascend 80 ft. over N. slope.

67.40 Edge of mesa, bears NW. and SE. Thence over mesa top.

82.56 The cor. of secs. 2, 3, 10 and 11.

Land, rolling desert; general drainage and exposure E.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

secs.

From the cor. of 26, 27, 34 and 35.

S.89°48'W., on random governing section line, bet. secs. 27 and 34.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Set temp. cor. of secs. 27, 28, 33 and 34.

S.0°01'E., on random line bet. secs. 33 and 34.

SUBDIVISION OF T. 19 S., R. 34 E.

Chains	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.58	Intersect the S. bdy., 5 lks. E. of the cor. of secs. 33 and 34, heretofore described.
	Thence
	N.0°01'W., on true line bet. secs. 33 and 34.
	Over rolling desert land, through scattering undergrowth
3.30	Irrigation ditch, bears NW. and SE., drains SE.
3.60	Ungraded road, bears NW. and SE.
21.70	Bottom of Cottonwood Wash, course NE.
38.10	Bottom of wash, stream of water, 1 lk. wide, course SE.
38.58	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$
	S 33 S 34
	1931
	and raise
	mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
39.60	Abandoned Pikes Peak Ocean to Ocean Highway, bears W. from NE.
51.10	Old railroad grade, bears N.38°E., and S.38°W.
52.50	Mountain States Telephone and Telegraph line, bears N.38°E., and S.38°W.
61.30	Bottom of wash, course SE.
64.00	Bottom of wash, course SE.
78.58	Set an iron post, 3 ft. long, 2 ins. diam., 50 ins. in the ground, with pint glass bottle, deposited at the base, for the cor. of secs. 27, 28, 33 and 34, with brass cap mkd.

T19S	R24E
S28	S27
S33	S34
1931	

No other suitable accessories available.

Land, rolling desert; general drainage and exposure SE.
Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale.

SUBDIVISION OF T.19 S., R.24 E.

Chains	Poor grazing.
19.90	N.89°48'E., on governing sec. line, bet. secs. 27 and 34. Over rolling desert land, through scattering undergrowth. Mountain States Telephone and Telegraph line, bears N.38°E., and S. 38°W.
20.90	Abandoned Pike Peak Ocean to Ocean Highway, bears N.38°E., and S. 38°W.
40.025	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with pint glass bottle, deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{r} \text{S } 27 \\ \frac{1}{4} \text{ ---} \\ \text{S } 34 \\ 1931 \end{array}$
	No other suitable accessories available.
53.50	Small wash, course S.
67.50	Small wash, course S.
79.50	Small wash, course SE.
80.05	The cor. of secs. 26, 27, 34 and 35. Land, rolling desert; general drainage and exposure S. Soil, clay loam; 3rd rate. Timber, none. Undergrowth, shadscale. Fair grazing.
40.00	<p>From the cor. of secs. 27, 28, 33 and 34. N.0°01'W., bet. secs. 27 and 28. Over rolling desert land, through scattering undergrowth.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.</p> $\begin{array}{r} \frac{1}{4} \\ \text{S } 28 \quad \quad \text{S } 27 \\ \text{---} \\ 1931 \end{array}$ <p>No other suitable accessories available.</p>
57.30	Bottom of wash, course SW.

SUBDIVISION OF T.19 S., R.24E.

Chains	
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground; for the cor. of secs. 21, 22, 27 and 28, with brass cap mkd.
	T19S R24E. S21 S22 S28 S27 1931
	and raise mound of stone, 3 ft. base, 2 ft. high, W. of the cor. Land, rolling desert; general drainage and exposure SW. Soil, clay loam; 3rd rate. Timber, none. Undergrowth, shadscale. Poor grazing.
40.00	N.89°48'E., on random line bet. secs. 22 and 27. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 22, 23, 26 and 27. Thence S.89°45'W., on true line bet. secs. 22 and 27. Over rolling desert land, through scattering undergrowth
40.02	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 22 S 27 1931
	No other suitable accessories available.
46.60	Head of wash, course S.
68.80	Small wash, course S.
80.04	The cor. of secs. 21, 22, 27 and 28. Land, rolling desert; general drainage and exposure S. Soil, clay loam; 3rd rate. Timber, none. Undergrowth, shadscale. Poor grazing.

- 1.00 Over rolling desert land through scattering undergrowth,
Small wash, course SW. Ascend 80 ft. over SE. slope.
24.20 Top of ridge, bears NE. and SW. Descend 50 ft. over
NE. slope to bottom of draw.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the
ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
S 21 | S 22
1931.

- and raise mound
- 56.10 of stone, 3 ft. base, 2 ft. high, W. of the cor.
Bottom of draw, course SW. Thence over rolling desert
land.
74.00 Small wash, course SW.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in
the ground, for the cor. of secs. 15, 16, 21 and 22,
with brass cap mkd.

T19S R24E
S16 | S15
S21 | S22
1931

and raise mound

of stone, 3 ft. base, 2 ft. high, W. of the cor.
Land, rolling desert; general drainage and exposure SW.
Soil, clay loam; 3rd rate.
Timber, none.
Undergrowth, shadscale.
Poor grazing.

- N.89°45'E., on random line bet. secs. 15 and 22.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.06 Intersect N. and S. line, 5 lks. N. of the cor. of
secs. 14, 15, 22 and 23.
Thence
S.89°47'W., on true line bet. secs. 15 and 22.

SUBDIVISION OF T.19 S., R. 24 E.

Chains	Over rolling desert land through scattering undergrowth.
00.80	Small wash, course NE. Ascend 70 ft. over NE. slope.
12.50	Top of ridge, bears NW. and SE., divide between Cottonwood and Westwater Creeks.
40.03	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{r} \frac{1}{4} \quad S 15 \\ \hline S 22 \\ 1931 \end{array}$
	and raise mound of stone, 3 ft. base, 2 ft. high, N. of the cor.
40.10	Small wash, course NW. Descend 20 ft.
55.00	Same wash, course SW.
73.00	Small wash, course SW.
80.06	The cor. of secs. 15, 16, 21 and 22.
	Land, rolling desert; general drainage and exposure NE. and S.
	Soil, clay loam; 3rd rate.
	Timber, none.
	Undergrowth, shadscale.
	Poor grazing.
	N.0°01'W., bet. secs. 15 and 16.
	Over rolling desert land, through scattering undergrowth.
18.00	Small wash, course SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{c} \frac{1}{4} \\ S 16 \quad \quad S 15 \\ 1931 \end{array}$
	and raise mound of stone, 3 ft. base, 2 ft. high, W. of the corner.
52.40	Small wash, course SW.
72.60	Wash, course SW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 9, 10, 15 and 16, with brass cap mkd.

Subdivision of T. 19 S., R. 24 E.

Chains	T19S R24E S 9 S10	
25.00		
40.00	S16 S15 1931	
	and raise mound of stone, 3 ft. base, 2 ft. high, W. of the cor.	
	Land, rolling desert; general drainage and exposure SW.	
	Soil, clay loam; 3rd rate.	
	Timber, none.	
	Undergrowth, shadscale.	
	Poor grazing.	
	N. 89° 47' E., on random line bet. secs. 10 and 15.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
80.04	The cor. of secs. 10, 11, 14 and 15.	
	Thence	
	S. 89° 47' W.; on true line bet. secs. 10 and 15.	
	Over rolling desert land, through scattering undergrowth.	
2.10	Bottom of wash, course N..	
34.70	Small wash, course NE.	
40.02	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	S 10	
	$\frac{1}{4}$	
	S 15	
	1931	
	and raise mound of stone, 3 ft. base, 2 ft. high, N. of the cor.	
	Ascend 30 ft. over E. slope.	
61.10	Top of ridge, divide between Cottonwood and Westwater Greeks, bears N. and S. Ungraded road, on top of ridge, bears N. to Sulphur Canyon and S.	
77.00	Small draw, course SW.	
80.04	The cor. of secs. 9, 10, 15 and 16.	
	Land, rolling desert; general drainage and exposure SW. and NE.	
	Soil, clay loam; 3rd rate.	
	Timber, none.	
	Undergrowth, shadscale.	

SUBDIVISION OF T. 19 S., R. 24 E.

Chains	Poor grazing.
40.00	<p>N. 0° 01' W., bet. secs. 9 and 10.</p> <p>Over rolling desert, through scattering undergrowth.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.</p> <div style="text-align: center;"> $\frac{1}{4}$ S 9 S 10 1931 </div> <p>and raise mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p>
44.50	Ungraded road, bears NW. to Sulphur Canyon and SE.
55.20	Top of low ridge, divide between Cottonwood and Westwater Creeks, bears NW. and SE. Descend general N. slope 40 ft.
71.80	Bottom of draw, course E. Ascend 30 ft. over S. slope.
80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 3, 4, 9 and 10, with brass cap mkd.</p> <div style="text-align: center;"> T19S R24E S 4 S 3 —+— S 9 S 10 1931 </div> <p>and raise mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Land, rolling desert; general drainage and exposure SE.</p> <p>Soil, clay loam; 3rd rate.</p> <p>Timber, none.</p> <p>Undergrowth, shadscale.</p> <p>Poor grazing.</p>
40.00	<p>N. 89° 47' E., on random line bet. secs. 3 and 10.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p>
80.04	<p>Intersect N. and S. line 3$\frac{1}{2}$ lks. N. of the cor. of secs. 2, 3, 10 and 11.</p> <p>Thence</p> <p>S. 89° 48' W., on true line bet. secs. 3 and 10.</p> <p>Over rolling desert land, through scattering undergrowth.</p>

SUBDIVISION OF T.19 S., R. 24 E.

Chains Ascend 40 ft. over SE. slope to $\frac{1}{4}$ sec. cor.
 26.60 Bottom of Wash, course NE.
 40.02 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
 the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
 S 3.
 $\frac{1}{4}$
 S 10
 1931
 and raise mound
 of stone, 3 ft. base, 2 ft. high, N. of the cor.
 Continue ascent over SE. slope, 60 ft. to sec. cor.
 56.10 Bottom of draw, course NE.
 80.04 The cor. of secs. 3, 4, 9 and 10.
 Land, rolling desert; general drainage and exposure NE.
 Soil, clay loam; 3rd rate.
 Timber, none.
 Undergrowth, shadscale.
 Poor grazing.

N.0°01'W., on random line bet. secs. 3 and 4.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
 82.87 Intersect the N. bdy., 12 lks. W. of the cor. of secs.
 3, 4, 33 and 34, which is an iron post, 2 ins. diam.,
 firmly set, properly mkd. and witnessed as described
 in the official record.
 Thence
 S.0°04'W., on true line, bet. secs. 3 and 4.
 Over rolling desert land, through scattering undergrowth.
 Descend 20 ft. over S. slope.
 13.00 Bottom of Sulphur Wash, course E. Ascend 60 ft. over
 N. slope.
 34.50 Top of spur, slopes E. Descend 20 ft. over S. slope.
 42.70 Small draw, course E. Ascend 20 ft. over N. slope.
 42.87 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
 the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

SUBDIVISION OF T. 39 S. 4. R. 24 E.

Chains	1931.	under raise mound
	of stone, 3 ft. base, 2 ft. high, W. of the cor.	
44.40	Top of spur, slopes E. Descend 20 ft. over S. slope.	
54.90	Bottom of draw, course E. Ascend 30 ft. over N. slope.	
55.90	Top of spur, slopes E. Descend 60 ft. over S. slope.	
68.90	Bottom of draw, course E. Ascend 80 ft. over N. slope.	
74.60	Top of spur, slopes E. Descend 10 ft. over S. slope.	
82.87	The cor. of secs. 3, 4, 9 and 10.	
	Land, rolling desert; general drainage and exposure E.	
	Soil, clay loam; 3rd rate.	
	Timber, none.	
	Undergrowth, shadscale.	
	Poor grazing.	
	From the cor. of secs. 27, 28, 33 and 34.	
	S.89°48'W., on random governing section line, bet. secs.	
	28 and 33.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
80.00	Set temp. cor. of secs. 28, 29, 32 and 33.	
	S.0°02'E., on random line bet. secs. 32 and 33.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
78.33	Intersect the S. bdy., 2 lks. E. of the cor. of secs.	
	32 and 33, heretofore described.	
	Thence	
	N.0°02'W., on true line bet. secs. 32 and 33.	
	Over rolling desert land, through scattering undergrowth.	
38.33	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in	
	the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	S 32 S 33	
	1931	
	and raise mound	

SUBDIVISION OF T. 19 S., R. 24 E.

of stone, 3 ft. base, 2 ft. high, W. of the cor.
Continue over rolling desert land.

Bottom of Cottonwood Creek, stream of water, 2 lks.

Wide, course SE.

Bottom of wash, course SE.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with pint glass bottle deposited at the base, for the cor. of secs, 28, 29, 32 and 33, with brass cap mkd.

T19S	R24E
S29	S28
S32	S33
1931	

No other suitable accessories available.

Land, rolling desert; general drainage and exposure SE.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale and greasewood.

Poor grazing.

N.89°48'E., on governing section line bet. 28 and 33.

Over rolling desert land, through scattering undergrowth.

Bottom of wash, course SE.

Small wash, course SE.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 28
$\frac{1}{4}$
S 33
1931

No other suitable accessories available.

Small wash, course SE. Ascend 20 ft. over W. slope.

Top of spur, slopes S. Descend 20 ft. over E. slope.

Bottom of wash, course S.

The cor. of secs. 27, 28, 33 and 34.

Land, rolling desert; general drainage and exposure SE.

Soil, clay loam; 3rd rate.

SUBDIVISION OF T19S R24E

Chains	Undergrowth, shadscale and greasewood. Timber, none. Poor grazing.	ante
	From the cor. of secs. 28, 29, 32 and 33. N.0°02'W., bet. secs. 28 and 29. Over rolling desert land, through scattering undergrowth	01.44
10.10	Bottom of wash, course SE.	
23.10	Small wash, course SE.	
38.50	Small wash, course SE.	
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	<div style="text-align: center;"> $\frac{1}{4}$ S 29 S 28 1931 </div>	
	and raise mound of stone, 3 ft. base, 2 ft. high, W. of the cor.	
47.70	Small wash, course SW.	
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with pint glass bottle deposited at the base, for the cor. of secs. 20, 21, 28 and 29, with brass cap mkd.	
	<div style="text-align: center;"> T19S R24E S20 S21 S29 S28 1931 </div>	
	No other suitable accessories available. Land, rolling desert; general drainage and exposure SE. Soil, clay loam; 3rd rate. Timber, none. Undergrowth, shadscale and greasewood. Poor grazing.	
	N.89°48'E., on random line bet. secs. 21 and 28.	08.28
40.00	Set temp. $\frac{1}{4}$ sec. cor.,	50.08
80.04	Intersect N. and S. line, 141.68 ft. from cor. of secs. 21, 22, 27 and 28.	

SUBDIVISION OF T. 19 S., R. 24 E.

Chains Thence
 S. 89° 42' W., on true line bet. secs. 21 and 28.
 Over rolling desert land, through scattering undergrowth.
 1.70 Small wash, course S.
 24.40 Small wash, course S.
 36.50 Small wash, course S.
 40.02 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
 the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$$\begin{array}{r} \text{S } 21 \\ \frac{1}{4} \\ \hline \text{S } 28. \\ 1931 \end{array}$$

 and raise mound
 of stone, 3 ft. base, 2 ft. high, N. of the cor.
 45.40 Small wash, course S.
 56.50 Small wash, course S.
 80.04 The cor. of secs. 20, 21, 28 and 29.
 Land, rolling desert; general drainage and exposure S.
 Soil, clay loam; 3rd rate.
 Timber, none.
 Undergrowth, shadscale.
 Poor grazing.

N. 0° 02' W., bet. secs. 20 and 21.
 Over rolling desert land, through scattering undergrowth.
 20.10 Small wash, course SE.
 38.50 Small wash, course SE.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
 the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$$\begin{array}{ccc} & \frac{1}{4} & \\ & | & \\ \text{S } 20 & & \text{S } 21 \\ & 1931 & \end{array}$$

 and raise mound
 of stone, 3 ft. base, 2 ft. high, W. of the cor.
 Continue over rolling desert land.
 77.30 Small wash, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in

SUBDIVISION OF T.19 S.10 E. 24 32

Chains	the ground, for the cor. of secs. 16, 17, 20 and 21, with brass cap mkd.
	<div> <div>T19S R24E</div> <div>S17 S16</div> <div>S20 S21</div> <div>1931</div> </div> <div> <div>08.2</div> <div>07.1</div> <div>08.48</div> </div>
	and raise mound
	of stone, 3 ft. base, 2 ft. high, W. of the cor.
	Land, rolling desert land; general drainage and exposure SE.
	Soil, clay loam; 3rd rate.
	Timber, none.
	Undergrowth, shadscale.
	Poor grazing.
	N.89°42'E., on random line bet. secs. 16 and 21.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line 3 lks. N. of the cor. of secs. 15, 16, 21 and 22.
	Thence
	S.89°43'W., on true line, bet. secs. 16 and 21.
	Over rolling desert land, through scattering undergrowth
	Descend 15 ft. over SW. slope.
26.10	Small wash, course S.
36.40	Small wash, course S.
40.03	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	<div> <div>S 16</div> <div>$\frac{1}{4}$</div> <div>S 21</div> <div>1931</div> </div>
	and raise mound
	of stone, 3 ft. base, 2 ft. high, N. of the cor.
	Continue over rolling desert land.
76.50	Small draw, course SW.
80.06	The cor. of secs. 16, 17, 20 and 21.
	Land, rolling desert; general drainage and exposure S.
	Soil, clay loam; 3rd rate.
	Timber, none.

Chains Undergrowth, shadscale.

60.00 Poor grazing.

N.0°02'W., bet. secs. 16 and 17.

Over rolling desert land, through scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
S 17 | S 16
1931

No other suitable accessories available.

Continue over rolling desert land.

77.10 Small wash, course SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 8, 9, 16 and 17, with brass cap mkd.

T19S R24E
S 8 | S 9
S17 | S16
1931

and raise mound

of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, rolling desert; general drainage and exposure SE.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

N.89°43'E., on random line bet. secs. 9 and 16.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 9, 10, 15 and 16.

Thence

S.89°45'W., on true line bet. secs. 9 and 16.

Over rolling desert land, through scattering undergrowth.

27.90 Small wash, course S.

SUBDIVISION OF T19S R24E

Chains

40.00

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 8 S 9

$\frac{1}{4}$

S 16

1931

and raise mound

of stone, 3 ft. base, 2 ft. high, N. of the cor.

52.10

Small wash, course S.

80.06

The cor. of secs. 8, 9, 16 and 17.

Land, rolling desert; general drainage and exposure S.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

N.0°02'W., bet. secs. 8 and 9.

Over rolling desert land, through scattering undergrowth

40.00

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with pint glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$

S 8

S 9

1931

No other suitable accessories available.

Continue over rolling desert land.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 4, 5, 8 and 9, with brass cap mkd.

T19S R24E

S 5 S 4

S 8 S 9

1931

and raise mound

of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, rolling desert; general drainage and exposure S.

Soil, clay loam; 3rd rate.

Timber, none.

Chains Undergrowth, shadscale.
Poor grazing.

N. 89°45'E., on random line bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect N. and S. line, 3 lks. S. of the cor. of secs.
3, 4, 9 and 10.

Thence

S. 89°44'W., on true line bet. secs. 4 and 9.

Over rolling desert land, through scattering undergrowth.
Ascend 20 ft. over E. slope.

25.60 Top of divide bet. Westwater and Cottonwood Creeks,
bears N. and S.

32.50 Ungraded road, bears NW. to Sulphur Canyon and SE.

40.05 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 4
 $\frac{1}{4}$ ———
S 9
1931

and raise mound

of stone, 3 ft. base, 2 ft. high, N. of the cor.

41.10 Small wash, course S. Ascend 40 ft. over E. slope.

49.70 Top of ridge, bears N. and S. Descend 30 ft. over W.
slope.

72.50 Small wash, course SE.

80.10 The cor. of secs. 4, 5, 8 and 9.

Land, rolling desert; general drainage and exposure S.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

N. 0°04'E., on random line bet. secs. 4 and 5.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

83.09 Intersect the N. bdy., 23 lks. W. of the cor. of secs.
4, 5, 32 and 33, which is an iron post, 2 ins. diam.,
firmly set, properly mkd. and witnessed as described

RECEIVED STATION OF AT 11:24 P.M. 22.1.24 E.

Chains	
	in the official record. Also bearing, 116° 00' 00" N. 0° 14' W., on true line bet. secs. 4 and 5.
	Thence
	S. 0° 14' W., on true line bet. secs. 4 and 5.
	Over rolling desert land, through scattering undergrowth.
	Ascend 10 ft. over N. slopes.
2.40	Top of spur, slopes E. Descend 40 ft. over E. slope.
8.00	Bottom of Sulphur Canyon, course SE. Ascend 50 ft. over N. slope.
25.30	Top of low ridge, divide bet. Cottonwood and Westwater Creeks, bears E. and W.
36.20	Ungraded road, bears NW. to Sulphur Canyon and SE.
43.09	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$
	S 5 S 4
	1931
	and raise mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
	Continue over rolling desert land.
78.80	Small wash, course SE.
83.09	The cor. of secs. 4, 5, 8 and 9.
	Land, rolling desert; general SE. drainage and exposure.
	Soil, clay loam; 3rd rate.
	Timber, none.
	Undergrowth, shadscale.
	Poor grazing.
	From the cor. of secs. 28, 29, 32 and 33.
	S. 89° 48' W., on random governing section line, bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Set temp. cor. of secs. 29, 30, 31 and 32.
	S. 0° 03' E., on random line bet. secs. 31 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
81.17	Intersect the S. bdy., 2 lks. E. of the cor. of secs.

TRANS. SUBDIVISION OF T. 19 N. R. 24 E.

31 and 32, heretofore described.

Thence

N. 0° 03' W., on true line bet. secs. 31 and 32.

Over rolling desert land, through scattering undergrowth.

Small wash, course SE.

Small wash, course SE.

Small wash, course SE.

Small wash, course SE.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with pint glass bottle, deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

1931

No other suitable accessories available.

Ascend 30 ft. over S. slope.

Top of spur, slopes E. Descend 20 ft. over N. slope.

Bottom of Cottonwood Creek, stream of water 2 lks. wide, course SE.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with pint glass bottle, deposited at the base, for the cor. of secs. 29, 30, 31 and 32, with brass cap mkd.

T19S R24E
S30 S29

S31 S32

1931

No other suitable accessories available.

Land, rolling desert; general drainage and exposure SE.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale, and greasewood.

Poor grazing.

N. 89° 48' E., on governing section line, bet. secs. 29 and 32.

Over rolling desert land, through scattering undergrowth.

SUBDIVISION OF TOLSON HIGHWAY 24 E.

Chains	
17.60	Bottom of wash, course SE.
40.01	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mld.
	S 29
	$\frac{1}{4}$ ——— S32
	1931.12 ——— and raise mound of
	stone, 3 ft. base, 2 ft. high, N. of the cor.
42.70	Bottom of wash, course SE.
46.30	Bottom of same wash, course NE.
60.70	Bottom of wash, course SE.
80.02	The cor. of secs. 28, 29, 32 and 33.
	Land, rolling desert land; general SE. drainage and exposure.
	Soil, clay loam; 3rd rate.
	Timber, none.
	Undergrowth, shadscale and greasewood.
	Poor grazing.
	From the cor. of secs. 29, 30, 31 and 32.
	S.89°48'W., on random line bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
83.51	Intersect the W. bdy., 33 lks. S. of the cor. of secs. 25, 30, 31 and 36, heretofore described.
	Thence
	S.89°58'E., on true line bet. secs. 30 and 31.
	Over rolling desert land, through scattering undergrowth.
	Descend 40 ft. over SE. slope.
8.50	Small wash, course NE.
24.80	Irrigation ditch, drains SE.
26.60	Small wash, course NE.
27.50	Irrigation ditch, course NE.
29.20	Irrigation ditch, course S.
33.10	Small draw, course NE.
37.20	Small wash, course NE.
38.70	Small wash, course NE.

63.51 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with glass bottle, deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 30
1931

No other suitable accessories available.

Ascend 10 ft. over NW. slope.

48.20 Top of spur, slopes NE. Descend 20 ft. over SE. slope.

62.70 Bottom of wash, course SE.

71.30 Bottom of Cottonwood Creek, stream of water, 2 lks. wide course SE.

83.51 The cor. of secs. 29, 30, 31 and 32.

Land, rolling desert; general drainage and exposure NE.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, greasewood, sagebrush and shadscale.

Fair grazing.

N.0°03'W., bet. secs. 29 and 30.

Over rolling desert land, through scattering undergrowth.

17.20 Small wash, course E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 30
1931
S 29

No other suitable accessories available.

Continue over rolling desert land.

46.10 Bottom of wash, course SE.

77.20 Small wash, course SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 19, 20, 29 and 30, with brass cap mkd.

SUBDIVISION OF T.19 S. R. 24 E.

Chains	<div> <div>T19S R24E</div> <div>S19 S20</div> <div>S30 S29</div> <div>1931</div> </div>
	<p>and raises mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Land, rolling desert; general drainage and exposure SE.</p> <p>Soil, clay loam; 3rd rate.</p> <p>Timber, none.</p> <p>Undergrowth, greasewood, sagebrush and shadscale.</p> <p>Poor grazing.</p>
	<p>N.89°48'E., on random line bet. secs. 20 and 29.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 7 1/2 kts. S. of the cor. of secs. 20, 21, 28 and 29.
	Thence
	S.89°45'W., on true line bet. secs. 20 and 29.
	Over rolling desert land, through scattering undergrowth.
	Ascend 20 ft. over E. slope.
20.10	Top of low spur, slopes S. Descend 40 ft. over W. slope.
26.70	Bottom of wash, course S.
40.04	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	<div> <div>S 20</div> <div>$\frac{1}{4}$</div> <div>S 29</div> <div>1931</div> </div>
	No other suitable accessories available.
	Continue over rolling desert land.
46.30	Small wash, course S. Ascend 20 ft. over SE. slope.
80.08	The cor. of secs. 19, 20, 29 and 30.
	Land, rolling desert; general drainage and exposure S.
	Soil, clay loam; 3rd rate.
	Timber, none.
	Undergrowth, shadscale.
	Poor grazing.

Chains

N. 89° 58' W., on random line bet. secs. 19 and 30.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

83.30 Intersect W. bdy., 5 lks. S. of the cor. of secs. 19, 24, 25 and 30, heretofore described.

Thence

S. 89° 56' E., on true line bet. secs. 19 and 30.

Over rolling desert land, through scattering undergrowth.

Descend 20 ft. over SE. slope.

19.00 Small wash, course NE.

43.30 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 19
 $\frac{1}{4}$ —————
S 30
1931

No other suitable accessories available.

Continue over rolling desert land.

49.00 Bottom of wash, course SE.

80.90 Small wash, course SE.

83.30 The cor. of secs. 19, 20, 29 and 30.

Land, rolling desert; general drainage and exposure SE.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale and greasewood.

Poor grazing.

N. 0° 03' W., bet. secs. 19 and 20.

Over rolling desert land, through scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with broken glass deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
S 19 | S 20
1931

No other suitable accessories available.

69.10 Small wash, course SE.

SUBDIVISION OF T. 19 N., R. 24 E., S. 1

Chains

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 17, 18, 19 and 20, with brass cap mkd.

T19S R24E

S18 S17

S19 S20

1931

and raise mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, rolling desert; general drainage and exposure SE. Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

N.89°45'E., on random line bet. secs. 17 and 20.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

80.10

Intersect N. and S. line, 23 lks. N. of the cor. of secs. 16, 17, 20 and 21.

Thence

S.89°55'W., on true line bet. secs. 17 and 20.

Over rolling desert land, through scattering undergrowth.

9.70

Small wash, course S.

23.40

Bottom of wash, course S.

40.05

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 17

$\frac{1}{4}$

S 20

1931

and raise mound of

stone, 3 ft. base, 2 ft. high, N. of the cor.

Continue over rolling desert land.

72.50

Bottom of wash, course SE.

80.10

The cor. of secs. 17, 18, 19 and 20.

Land, rolling desert; general drainage and exposure S.

Soil, clay loam; 3rd rate.

Undergrowth, shadscale.

SUBDIVISION OF T. 19 N., R. 24 E.

Chains	Poor grazing.
26.00	
30.00	N. 89° 56' W., on random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor. 12 lks. S. of the cor. of secs. 13, 18, 19 and 24, heretofore described:
43.03	Intersect the W. bdy., 12 lks. S. of the cor. of secs. 13, 18, 19 and 24, heretofore described:
	Thence
	S. 89° 51' E., on true line bet. secs. 18 and 19.
	Over rolling desert land, through scattering undergrowth.
43.03	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	<div style="text-align: center;"> $\begin{array}{r} S\ 18 \\ \frac{1}{4} \\ S\ 19 \\ 1931 \end{array}$ </div>
	and raise mound of stone, 3 ft. base, 2 ft. high, N. of the cor.
	Continue over rolling desert land.
48.20	Small wash, course SE.
69.60	Small wash, course SE.
83.03	The cor. of secs. 17, 18, 19 and 20.
	Land, rolling desert; general drainage and exposure SE.
	Soil, clay loam; 3rd rate.
	Timber, none.
	Undergrowth, shadscale.
	Poor grazing.
	N. 0° 03' W., bet. secs. 17 and 18.
	Over rolling desert land, through scattering undergrowth.
8.60	Bottom of wash, course SE.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with glass bottle deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	<div style="text-align: center;"> $\begin{array}{r} \frac{1}{4} \\ S\ 18\ \ S\ 17 \\ 1931 \end{array}$ </div>
	No other suitable accessories available.

SUBDIVISION OF T.19 S., R. 24 E.

Chains Continue over rolling desert land. enlarge
 65.50 Small wash, course SE.
 78.00 Small wash, course SE.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 7, 8, 17 and 18, with brass cap mkd.

T19S R24E	
S 7	S 8
<hr/>	
S18	S17
1931	

and raise mound of

stone, 3 ft. base, 2 ft. high, W. of the cor.
 Land, rolling desert; general drainage and exposure SE.
 Soil, clay loam; 3rd rate.
 Timber, none.
 Undergrowth, shadscale.
 Poor grazing.

N.89°55'E., on random line, bet. secs. 8 and 17.
 40.00 Set temp. sec. cor.
 80.14 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 8, 9, 16 and 17.
 Thence
 S.89°53'E., on true line bet. secs. 8 and 17.
 Over rolling desert land, through scattering undergrowth.
 2.00 Small wash, course SE.
 26.30 Small wash, course SE.
 36.80 Small wash, course S.
 38.00 Small wash, course SE.
 40.07 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with glass bottle deposited at the base, for the sec. cor., with brass cap mkd.

S 8	
<hr/>	
S 17	
1931	

No other suitable accessories available.
 Continue over rolling desert land.

SUBDIVISION OF T.19 S., R. 24 E.

Chains

621.50 Small wash, course SE.

804.14 The cor. of secs. 7, 8, 17 and 18.

Land, rolling desert; general drainage and exposure SE.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

N.89°51'W., on random line bet. secs. 7 and 18.

40.00 Set temporary sec. cor. 1/4 sec. cor. 1/4 sec. cor.

82.90 Intersect the W. bdy., 21 lks. S. of the cor. of secs. 7, 12, 13 and 18, heretofore described.

Thence

S.89°42'E., on true line bet. secs. 7 and 18.

Over rolling desert land, through scattering undergrowth.

42.90 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the 1/4 sec. cor., with brass cap mkd.

$$\begin{array}{r} S\ 7 \\ \frac{1}{4} \text{ --- } \\ S\ 18 \\ 1931 \end{array}$$

and raise mound of

stone, 3 ft. base, 2 ft. high, N. of the cor.

Continue over rolling desert land.

80.50 Small wash, course SE.

82.90 The cor. of secs. 7, 8, 17 and 18.

Land, rolling desert; general drainage and exposure SE.

Soil, clay loam; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

N.0°03'W., bet. secs. 7 and 8.

Over rolling desert land, through scattering undergrowth.

7.60 Small wash, course SE.

26.10 Small wash, course SE.

SUBDIVISION OF T.19 S. R. 24 E.

Chains

40.00

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S. 7 | S. 8
 1931

and raise mound

of stone, 3 ft. base, 2 ft. high, W. of the cor.

Continue over rolling desert land.

55.20

Commence abrupt ascent of 270 ft. over SW slope. Foot of ascent bears NW. and SE.

69.20

Top of abrupt ascent and sandstone ledge, 30 ft. high, bears NW. and SE. Continue gradual ascent over top of mesa. Enter scattering timber bears NW. and SE.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the cor. of secs. 5, 6, 7 and 8, with brass cap mkd.

T19S R24E
 S. 6 | S. 5
 S. 7 | S. 8
 1931

from which

A juniper, 3 ins. diam., bears N.18°E., 103 lks. dist., mkd. B T.

A juniper, 4 ins. diam., bears S.6°30'E., 113 lks. dist., mkd. T 19 S R 24 E S 8 B T.

A juniper 6 ins. diam., bears S.18°30'W., 160 lks. dist., mkd. T 19 S R 24 E S 7 B T.

A juniper, 4 ins. diam., bears N.79°30'W., 172 lks. dist., mkd. T.19 S R 24 E S 6 B T.

Land, rolling and broken; general drainage and exposure S

Soil, clay loam and sandy loam; 2nd and 3rd rate.

Timber, juniper.

Undergrowth, shadscale and sagebrush.

Poor grazing.

SUBDIVISION OF T. 19 S., R. 24 E.

Chains N.89°53'E., on random line bet. secs. 5 and 8.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

60.12 Intersect N. end S. line, 7 lks. N. of the cor. of secs. 4, 5, 8 and 9.

Thence

S.89°56'W., on true line bet. secs. 5 and 8.

Over rolling desert land, through scattering undergrowth.

40.06 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 5

$\frac{1}{4}$

S 8

1931

and raise mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

Continue over rolling desert land.

51.90 Bottom of wash, course S.

62.80 Foot of abrupt ascent bears N. and S. Commence abrupt ascent of 210 ft. over E. slope.

77.26 Top of abrupt ascent bears N. and S. Also top of sandstone ledge 20 ft. high bears N. and S. Enter scattering timber bears N. and S. Continue ascent over mesa top.

80.12 The cor. of secs. 5, 6, 7 and 8.

Land, rolling and broken; general drainage and exposure SE.

Soil, sandy and clay loam; 2nd and 3rd rate.

Timber, juniper.

Undergrowth, sagebrush and shadscale.

Poor grazing.

N.89°42'W., on random line bet. secs. 6 and 7.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

82.91 Intersect the W. bdy., 5 lks. N. of the cor. of secs. 1, 6, 7 and 12, heretofore described.

Thence

S.89°44'E., on true line bet. secs. 6 and 7.

Over broken mesa land, through scattering timber and undergrowth.

SUBDIVISION OF T.19 S., R. 24 E.

Chains	
7.50	Rim of mesa, bears NW. and SE.. Leave scattering timber bears N. and S. Commence abrupt descent of 65 ft. over SE. slope.
13.10	Bottom of draw, course SE. Abrupt ascent of 60 ft. over SW. slope.
14.50	Fence, 3 barbed wires, bears SW. 5 chains and NE. 3 chains.
18.30	Rim of mesa, bears NW. and SE. Enter scattering timber bearing NW. and SE. Thence over top of mesa.
42.91	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd. <div style="text-align: center;"> <p>S 6</p> <hr style="width: 50px; margin: 0 auto;"/> <p>$\frac{1}{4}$ S 7</p> <p>1931</p> </div> <div style="text-align: right; margin-top: 10px;">from which</div> <p>A juniper, 4 ins. diam., bears S. 30° E., 74 lks. dist., mkd. $\frac{1}{4}$ S 7 B T.</p> <p>A juniper 6 ins. diam., bears N. 46° W., 143 lks. dist., mkd. $\frac{1}{4}$ S 6 B T.</p>
45.70	Rim of mesa, bears S. from NW. Leave timber bears NW. and SE. Commence abrupt descent of 150 ft. over SE. slope.
59.40	Bottom of wash, course SE. Ascend 180 ft. over W. slope.
71.20	Rim of mesa, bears NW. and SE. Enter scattering timber bearing NW. and SE. Thence over mesa top.
82.91	The cor. of secs. 5, 6, 7, and 8. Land, broken mesa; general drainage and exposure SE. Soil, sandy loam; 3rd rate. Timber, juniper. Undergrowth, shadscale and sagebrush. Poor grazing.
40.00	N. 0° 14' E., on random line bet. secs. 5 and 6. Set temp. $\frac{1}{4}$ sec. cor.
83.15	Intersect the N. bdy., 16 lks. W. of the cor. of secs. 5, 6, 31 and 32, which is an iron post, 3 ft. long, 2 ins. diam., firmly set, properly mkd. and witnessed as described in the official record.

SUBDIVISION OF T. 19 S. R. 24 E.

Chains	Thence SE. 2° 00' to
1.00	S. 0° 21' W., b'n true line bet. secs. 5 and 6.
7.00	Over broken mesa land, through scattering timber and undergrowth.
11.40	Rim of mesa, bears NW. and SE. Descend 100 ft. over SW. slope.
13.90	Bottom of wash, course SE.
14.90	Bottom of wash, course E. Ascend 140 ft. over N. slope.
19.80	Ungraded road, bears E. and W.
25.00	Rim of mesa, bears E. and W. Thence over broken mesa top.
28.20	Rim of mesa, bears NE. and W. Descend 40 ft. over S. slope.
35.60	Bottom of draw, course E. Ascend 50 ft. over NE. slope.
43.15	Rim of mesa, course E. and W. Thence over broken top of mesa.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	<div style="text-align: center;"> $\frac{1}{4}$ S 6 S 5 1931 </div>
	from which
	A juniper, 6 ins. diam., bears S. 65° E., 30 lks. dist., mkd. $\frac{1}{4}$ S 5 B T.
	A juniper, 4 ins. diam., bears N. 23° W., 535 lks. dist., mkd. $\frac{1}{4}$ S 6 B T.
46.40	Rim of mesa, bears NW. and SE. Also leave scattering timber, bears NW. and SE. Descend 100 ft. over S. slope.
65.20	Bottom of wash, course SE. Ascend 170 ft. over NE. slope.
80.20	Rim of mesa, bears NW. and SE. Enter scattering timber bears NW. and SE. Thence over broken mesa top.
83.15	The cor. of secs. 5, 6, 7 and 8.
	Land, broken mesa; general drainage and exposure SE.
	Soil, sandy loam with sandstone surface rock; 3rd rate.
	Timber, juniper.
	Undergrowth, shadscale and sagebrush.
	Poor grazing.

FINAL TEST OF SOLAR ATTACHMENT

Nov. 23, 1931: At the cor. of secs. 35 and 36 on the S. bdy., at 9h 0m/1.m.t.; I set off $39^{\circ}07'N$ on the lat. arc; $20^{\circ}12'S$ on the decl. arc; and orient the instrum. with the solar; the line of sight agrees with the meridian established by Polaris observation. At 3h 0m p.m. 1.m.t.; I set off $39^{\circ}07'N$ on the lat. arc; $20^{\circ}16'S$ on the decl. arc; and repeat the test of the solar; the line of sight agrees with the meridian established by Polaris observation.

GENERAL DESCRIPTION

The land embraced in this township is rolling desert, except the extreme northwest corner which is broken mesa land. The soil on the desert land is a clay loam with shale subsoil, on the mesa it is sandy loam mixed with sandstone surface rock. All the soil is of 3rd. rate. The approximate elevation of this township above sea level is 6,000 ft. The general drainage and exposure is to the southeast.

There is a sparse growth of Buffalo grass on the ridges and mesas. Shadscale, sagebrush and greasewood is found over the entire township. A scattering growth of juniper and pinon timber is found in the extreme northwest portion of the township. The timber has no commercial value except for firewood.

The entire township is used for grazing of sheep and cattle through the winter months, from about Nov. 15th to April 15th. This township under present conditions would support approximately 100 head of cattle and 500 head of sheep through the winter months.

Leslie Tomlinson the only homesteader in the township is located near the east boundary in secs. 1 and 12, he has about 35 acres in cultivation, irrigating from Westwater Creek.

Westwater Creek enters the township on the W. bdy. of sec. 1, and leaves the township on the E. bdy. of sec. 12.

17
GENERAL DESCRIPTION

Cottonwood Creek enters the township on the west boundary of sec. 30 and leaves the township on the south boundary of sec. 34. There is an intermittent stream of alkali water in both creeks. There is no other living water in this township.

A large portion of the township is suitable for farming if water was available for irrigation.

There are numerous roads in this township. The abandoned Pikes Peak Ocean to Ocean highway enters this township in sec. 33 leaving it in sec. 12. The road follows generally along the top of an old, abandoned railroad grade. The road to Sulphur Wash takes off of this highway in sec. 14 leaving the township on the north boundary of sec. 6.

Another ungraded secondary road leaves the abandoned highway in sec. 23 leaving the township in sec. 25.

The nearest Post Office is Cisco Utah, about 10 miles southwest.

There was no surface indication of oil, coal or other mineral noted during the survey.

The magnetic declination was not taken on account of defective needle.

BOOK A-516

4-680
(August, 1926)

FIELD ASSISTANTS.

[illegible]

CERTIFICATE OF UNITED STATES SURVEYOR

Chas. F. Moore
 We, Robert C. Yundt, U. S. Surveyor, hereby certify upon honor that, in pursuance
 of special instructions received from the District Cadastral Engineer for Utah
 bearing date of the 18th day of September, 1931, we have well, faithfully, and
 in ~~our~~ own proper person and in strict conformity with said instructions, the Manual of Surveying Instru-
 tions, and the laws of the United States, surveyed all those parts or portions of dependent resurvey
of east, west and south boundaries, and the survey of the subdivision
of T. 19 S., R. 24 E.

of the Salt Lake
Meridian, in the State of Utah, which are represented in
 the foregoing field notes as having been executed by us, and under our direction; and that all the corners of
 said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instru-
 tions, and the special written instructions of the District Cadastral Engineer for Utah
 and in the specific manner described in the field notes, and that the foregoing are the original field notes of
 such survey. Salt Lake City, Utah.
Jan. 2, 1933

Robert C. Yundt
Chas. F. Moore

U. S. Surveyor

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver Colorado. FEB 2 - 1937, 1937

The foregoing field notes of the ~~survey~~ of dependent resurvey of the east, west
and south boundaries, and the survey of the subdivision T. 19 S.
R. 24 E.

executed by Chas. F. Moore and Robert C. Yundt, U.S. surveyors
 under his special instructions dated September 18th, 1931, having been
 critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys
 they describe, are hereby approved.

Quentin P. Quinn
 U. S. Supervisor of Surveys.

~~I certify that the foregoing transcript of the field notes of the above described surveys in~~
~~has been correctly copied from the original notes on file in this office.~~

U. S. Supervisor of Surveys

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BOOK A-516
FIELD NOTES

RECEIVED

MAR 11 1939
Department Of The Interior
Public Survey Office
Salt Lake City, Utah

INDEPENDENT AND DEPENDENT RESURVEY OF THE WEST BOUNDARY, SURVEY OF THE
SEVENTH STANDARD PARALLEL SOUTH THROUGH R. 5 E., THE EAST BOUNDARY,
PORTION OF THE NORTH BOUNDARY, AND THE SUBDIVISION OF T. 35 S., R. 5 E.,

Of the Salt Lake Meridian,
the State of Utah

EXECUTED BY

Andrew Nelson, Surveyor

August 31, 1928, and
under special instructions dated August 6, 1935, which provided
for the surveys included under Groups Nos. 215 & 267, bearing the approval of the
Commissioner of the General Land Office under date of September 24, 1928, and
supplemental and
assignment instructions dated August 30, 1935
September 22, 1937.

Survey commenced September 27, 1937.

Survey completed November 20, 1937.

BOOK A-516

INDEX DIAGRAM.

Township 35 South, Range 5 East.
 29 27 26

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Chains

The survey of T. 35 S., R. 5 E., Salt Lake Meridian, Utah, was commenced September 27, 1937, and executed with Buff and Buff transits Nos. 16726 and 23831. The instruments are the property of the General Land Office, and are equipped with Smith solar attachments and have full vertical circles. The horizontal limbs are provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circles. The instruments were approved for use on this survey, conditional upon satisfactory field tests, by the district cadastral engineer for Utah, in assignment instructions dated September 22, 1937.

The solar attachments were not used in this survey, and all controlling meridians were established by observations on Polaris during the progress of the work. The bearings of the lines were deflected from these true meridians by the repetition of angles, and carried forward by transit line, taking the mean of direct and reversed sights.

The measurements were made with Lallie steel ribbon tapes, 5 and 8 chains in length. The tapes are graduated every link for the first 100 links and thereafter at intervals of 10 links. The tapes were compared with a Lufkin standard steel tape, 1 chain in length and found correct. The measurements are made on the slope, the vertical angle determined with clinometers, and the slope measurements properly reduced to true horizontal distances.

The survey of T. 35 S., R. 5 E., consists of the dependent resurvey of a portion of the west boundary, independent resurvey of a portion of the west boundary, survey of a portion of the north boundary, survey of the Seventh Standard Parallel South, through Range 5 East, the east boundary, and the subdivisional lines.

The survey of the Seventh Standard Parallel South through Range 5 East, is provided for in the instructions for the survey of Group 215, Utah, but as no field work has been done on this group, the portion of the Standard Parallel through Range 5 East, is surveyed in conjunction with the survey of T. 35 S., R. 5 E., Group 267, Utah.

DEPENDENT RESURVEY PORTION WEST BOUNDARY, T. 35 S., R. 5 E.

Reestablishment of surveys executed by
Jm. Lewman, U.S. Deputy Surveyor,
in 1893.

October 1, 1937: Stationed at the standard cor. of T. 35 S., Rs. 4 and 5 E., hereinafter described, in approximate latitude $37^{\circ}43'$ N., longitude $111^{\circ}25'$ W., at 7h 43.0m a.m. local mean time, with instrument No. 16726, I make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a flag pole about 30 chains to the north, in a counter clockwise direction to the star.

Watch time of observation (correct 105th
Meridian Standard Time).....8h 08.7m a.m.

Mean horizontal deflection angle flag
pole to star..... $1^{\circ} 07'$ W.

Azimuth of Polaris at time of observation $1^{\circ} 17'$ W.

True bearing to flag pole.....N. $0^{\circ}10'$ W.

DEPENDENT RESURVEY PORTION WEST BOUNDARY, T. 35 S., R. 3 E.

Chains

On the same date in order to check the latitude of this station, I make a meridian observation of the sun for latitude, observing the altitude of the sun's lower limb with the telescope in direct position, reversing the transit and observing the sun's upper limb.

Apparent time of observation, noon 12h 00m 00s

Mean observed altitude 49° 05' 30"

Reduced latitude..... 37° 43' N.

The standard cor. of T. 35 S., Rs. 4 and 5 E., is a sandstone, 24 x 12 x 8 ins., lying on the ground, marked SC on top face, 6 notches on one edge, and 6 notches on the opposite edge. Cor. is witnessed by three bearing trees as follows.

A pinon stump, 6 ins. diam., bears N. 74°45' E., 63 lks. dist., marked T35S R5E S31 BT.

A juniper, 16 ins. diam., bears S. 15°15' E., 57 lks. dist., marked SC T35S R4E S31-36 BT.

A pinon, 8 ins. diam., bears N. 35° W., 194 lks. dist., marked T35S R4E S36 BT.

At the cor. point:

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, with the original cor. monument deposited at the base of the post, for the standard cor. of T. 35 S., Rs. 4 and 5 E., with brass cap marked

SC	
T35S	
R4E	R5E
S36	S31

1937

Thence, from the above cor.

N. 0°10' W., bet. secs. 31 and 36.

Over rolling top of Spencer Bench, through scattered timber and undergrowth.

1.70 Shallow wash, 100 lks. wide, 3 ft. deep, drains E.

29.10 Small wash, 10 lks. wide, 2 ft. deep, drains NE.

29.60 Old wagon road, bears NE. and W.; from this point, a gate in a barbed wire fence bearing N. and S., bears West, 1.24 chs. dist.

39.98 The 1/2 sec. cor. secs. 31 and 36, a sandstone, 18 x 8 x 6 ins., firmly set, marked 1/2 on W. face. Cor. is witnessed by one bearing tree as follows.

A pinon, 6 ins. diam., bears N. 18° E., 6 lks. dist., marked 1/2 S BT.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with the original cor. monument deposited at the base of the post, for 1/2 sec. cor. secs. 31 and 36, with brass cap marked

$\frac{1}{4}$
 S36 | S31
 1937

from which

A point on a sandstone outcropping, marked X B0, bears N. 45° W., 19 lks. dist.

No suitable bearing trees available.

Land, rolling top of bench, with a general easterly and northwesterly exposure and drainage.

Soil, shallow loose sand and rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, scrub juniper and pinon.

Fair grazing land.

INDEPENDENT RESURVEY PORTION WEST BOUNDARY, T. 35 S., R. 5 E.

Independent Resurvey
 surveys executed by Wm. Newman,
 U. S. Deputy Surveyor, in 1893.

From the $\frac{1}{4}$ sec. cor. secs. 31 and 36.

North, on random line, along the W. bdy. of the township, and at:

238.77 Fall 7 lks. E. of the $\frac{1}{4}$ sec. cor. secs. 13 and 16, hereinafter described.

Hence:

From the $\frac{1}{4}$ sec. cor. secs. 31 and 36.

N. 0° 01' W., bet. secs. 31 and 36.

Over rolling top of Spencer Bench, through scattered timber and undergrowth.

0.50 Top of NW. rim of Spencer Bench, bears NE. and SW.; descend gradually over ledgy NW. slope.

11.20 Base of ledges and bench, 120 ft. below top, bears NE. and W.; continue gradual descent over broken land.

13.80 Wash, 10 lks. wide, 5 ft. deep, drains NE.

22.60 Small ravine, drains NW.

40.00 On broken NW. slope, 300 ft. below the $\frac{1}{4}$ sec. cor.

Set an iron post, 30 ins. long, 2 ins. diam., 12 ins. in a hole drilled in the surface rock and in a large mound of stone, for cor. secs. 25, 30, 31, and 36, with brass cap marked

INDEPENDENT RESURVEY PORTION WEST BOUNDARY, T. 35 S., R. 3 E.

Chains

T358	
R4E	R5E
S25	S30
<hr/>	
S36	S31

1937

from which

A juniper, 7 ins. diam., bears S. 53°30' E., 185 lks. dist., marked T35S R5E S31 BT.

A pinon, 10 ins. diam., bears S. 79°45' W., 136 lks. dist., marked T35S R4E S36 BT.

A pinon, 12 ins. diam., bears N. 21° W., 185 lks. dist., marked T35S R4E S25 BT.

No bearing tree available in sec. 30.

No trace found of the original cor. monument for secs. 25, 30, 31, and 36, but three bearing trees were found marked for secs. 25, 31, and 36. I efface the marks on these trees.

Land, broken, with a general northwesterly exposure and drainage.

Soil, shallow loose sand and rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, scrub juniper and pinon.

Fair grazing land.

N. 0°01' W., bet. secs. 25 and 30.

Over rolling and broken land, through scattered timber and undergrowth.

0.60 Trail, bears E. and W.

5.40 Small wash, drains NW.

13.00 Small draw, drains W.; ascend gradually.

25.80 Old trail, bears N. 70° E. and S. 70° W.

32.70 Top of ascent, 70 ft. above draw, bears E. and W.; descend gradually.

40.00 On gradual NW. slope, 40 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. secs. 25 and 30, with brass cap marked

S25	S30
-----	-----

1937

from which

A juniper, 30 ins. diam., bears N. 26°30' E., 129 lks. dist., marked $\frac{1}{4}$ S30 BT.

INDEPENDENT RESURVEY PORTION WEST BOUNDARY, T. 35 S., R. 5 E.

Chains

A juniper, 18 ins. diam., bears S. 76°45' W., 114 lks. dist., marked $\frac{1}{2}$ S25 BT.

No trace of the original cor. monument for the $\frac{1}{2}$ sec. cor. secs. 25 and 30, could be found, but two bearing trees were found, each marked $\frac{1}{2}$ S.BT. I efface the marks on these trees.

45.80 Wash, .50 lks. wide, 6 ft. deep, drains SW.

58.30 Small ravine, drains W.

67.40 Small ravine near head, drains S. 80° W.

80.00 Set an iron post, 30 ins. long, 2 ins. diam., 10 ins. in a hole drilled in the surface rock and in a large mound of stone, for cor. secs. 19, 24, 25, and 30, with brass cap marked

T35S	
R4E	R5E
S24	S19
S25	S30

1937

from which

A pinon, 5 ins. diam., bears S. 68°15' E., 72 lks. dist., marked BT. Tree too scrubby for other marks.

A point on a sandstone outcropping, marked X B0, bears N. 78°30' E., 19 lks. dist.

No other suitable accessories available.

From this cor., the original cor. secs. 19, 24, 25, and 30, bears S. 4°00' E., 29 lks. dist. Cor. is a sandstone, 20 x 12 x 6 ins., marked 2 notches on S. edge and 4 notches on N. edge, firmly set in the ground and small mound of stone. Cor. is witnessed by one bearing tree as follows.

A pinon, 6 ins. diam., bears S. 86°15' E., 64 lks. dist., marked T35S BT.

I efface the marks on the bearing tree and deposit the cor. monument at the base of the iron post.

Land, broken and rolling, with a general northwesterly exposure and drainage.

Soil, shallow loose sand with a rocky surface; 4th rate.

Undergrowth, sage, mountain rush, and yellow top.

Timber, scrub juniper and pinon.

Fair grazing land.

N. 0°01' W., bet. secs. 19 and 24.

Descend gradual NW. slope of broken land, through scattered timber and undergrowth.

3.40 Rocky draw, drains S. 70° W.; 3 pools of water in bottom of draw to the W. of line; ascend gradually.

INDEPENDENT RESURVEY PORTION WEST BOUNDARY, T. 35 S., R. 15 E.

251280

Chains

- 10.90 Top of ascent, 110 ft. above draw, bears E. and W.; descend gradual N. slope.
- 15.20 Small draw, drains W.; continue descent.
- 40.00 On gradual N. slope, 220 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. secs. 19 and 24, with brass cap marked

$\frac{1}{4}$

S24 | S19

1937

from which

A juniper, 12 ins. diam., bears N. 78° E., 39 lks. dist., marked $\frac{1}{4}$ S19 BT.

A juniper, 10 ins. diam., bears N. 40° W., 68 lks. dist., marked $\frac{1}{4}$ S24 BT.

From the above cor., the original $\frac{1}{4}$ sec. cor. secs. 19 and 24, bears S. 12°30' W., 8 lks. dist. Cor. is a sandstone, 24 x 8 x 5 ins., lying on the ground, marked $\frac{1}{4}$ on top face and witnessed by two bearing trees. I efface the markings on the bearing trees and deposit the cor. monument at the base of the iron post.

- 44.10 Draw, 30 ft. below the $\frac{1}{4}$ sec. cor., drains W.; continue gradual descent.
- 57.20 Wash, 20 lks. wide, 2 ft. deep, drains SW.
- 65.00 Sandstone gulch, 50 ft. deep, drains SW.; ascend gradual SE. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to solid rock and in a large mound of stone, for cor. secs. 13, 18, 19, and 24, with brass cap marked

T35S

R4E | R5E
S13 | S18

S24 | S19

1937

from which

A pinon, 16 ins. diam., bears N. 19°30' E., 28 lks. dist., marked T35S R5E S18 BT.

A juniper, 16 ins. diam., bears S. 36°45' E., 110 lks. dist., marked T35S R5E S19 BT.

A pinon, 12 ins. diam., bears S. 15°15' W., 25 lks. dist., marked T35S R4E S24 BT.

A juniper, 6 ins. diam., bears N. 3°15' W., 114 lks. dist., marked T35S R4E S13 BT.

From this cor., the original cor. secs. 13, 18, 19, and 24, bears S. 1°38' E., 176 lks. dist. Cor. is a sandstone, 12 x 6 x 3 ins., loosely set, marked 3 notches on N. and edges, and witnessed by four bearing trees. I efface the

Chains

markings on the bearing trees and deposit the cor. monument at the base of the iron post.

Land, broken, with a general northwesterly exposure and drainage.

Soil, shallow loose sand and rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, scrub juniper and pinon.

Fair grazing land.

N. 0°01' W.; bet: secs. 13 and 18.

Descend gradual NW. slope of broken land, through scattered timber and undergrowth.

3.80 Draw, 40 ft. below cor., drains W.; descend gradually over broken N. slope.

20.00 Top of vertical sandstone rim, 50 ft. high, 250 ft. below draw, faces NW. and bears NE. and S. 70° W.; descend abruptly over ledges.

29.70 Kipp's Wash; in bottom of deep canyon, 450 ft. below rim, drains N. 80° E.; ascend abrupt N. breaks of canyon.

35.90 Top of sandstone ledge, bears E. and W.; continue ascent.

38.77 The $\frac{1}{4}$ sec. cor. originally set for secs. 13 and 18, a sandstone, 24 x 18 x 4 ins., loosely set, marked $\frac{1}{4}$ on W. face. Cor. is witnessed by two bearing trees as follows.

A juniper, 6 ins. diam., bears S. 3°15' E., 13 lks. dist., marked $\frac{1}{4}$ S BT. I efface the marks on this tree.

A pinon, 6 ins. diam., bears N. 77°30' W., 70 lks. dist., marked $\frac{1}{4}$ S BT.

At the cor. point, on steep N. slope of sandstone surface rock, 240 ft. above bottom of Kipp's Wash.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in a hole drilled in the solid rock and in a large mound of stone, for $\frac{1}{4}$ sec. cor. sec. 13, with brass cap marked

$\frac{1}{4}$
S13

1937

Original corner monument deposited at base of post. I mark an additional bearing tree to cor. as follows.

A juniper, 14 ins. diam., bears N. 56°15' W., 93 lks. dist., marked $\frac{1}{4}$ S13 BT.

Land, broken with a general northeasterly exposure and drainage.

Soil, shallow loose sand and rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

DEPENDENT RESURVEY PORTION WEST BOUNDARY, T. 35 S., R. 4 E.

Chains

Reestablishment of surveys executed
by Jm. Lewman, U.S. Deputy Surveyor,
in 1893.

From the $\frac{1}{4}$ sec. cor. sec. 13, heretofore described.

N. $2^{\circ}06'$ W., along the E. bdy. of sec. 13, T. 35 S., R. 4 E.

Descend steep N. slope of broken land, through scattered
timber and undergrowth.

1.00 Draw, drains E.; ascend S. slope.

1.27 Point midway bet. the cor. of secs. 13, 18, 19, and 24,
and the closing cor. secs. 7 and 18.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in a
hole drilled in the sandstone surface rock and in a large
mound of stone, for $\frac{1}{4}$ sec. cor. sec. 18, with brass cap
marked

$\frac{1}{4}$
S18

1937

from which

A pinon, 10 ins. diam., bears N. 87° E., 81 lks.
dist., marked $\frac{1}{4}$ S18 BT.

A juniper, 14 ins. diam., bears S. $2^{\circ}15'$ E., 141 lks.
dist., marked $\frac{1}{4}$ S18 BT.

6.70 Top of high ledgy point, 180 ft. above the $\frac{1}{4}$ sec. cor.
sec. 13, bears N. 70° W. and E.; descend gradually over
broken N. slope, over ledges.

18.50 Base of ledges at the S. side of bottom lands of the
Escalante River, 560 ft. below ledgy point, bears E. and
W.; thence over bottom lands of the Escalante River.

26.00 The Escalante River, stream about 50 lks. wide, 1 ft. deep
flows SE.; continue over bottom lands of river.

28.80 Top of vertical sandstone ledge at N. side of bottom land
of river, 100 ft. high, bears NW. and E.; ascend gradually
over ledgy S. slope.

39.70 Top of vertical ledge, 100 ft. high, bears E. and W.

40.21 The cor. originally set for secs. 7, 12, 13, and 18, a
sandstone, 24 x 12 x 6 ins., loosely set in a mound of
stone, marked 4 notches on S. edge and 2 notches on N.
edge. cor. has no accessories.

At the cor. point, on steep SE. slope, 420 ft. above
Escalante River.

Set an iron post, 30 ins. long, 2 ins. diam., 14 ins. in
hole drilled in the solid sandstone and in a large mound
of stone, for cor. secs. 12 and 13, T. 35 S., R. 4 E.,
with brass cap marked

T35S	T35E
S12	
	R5E
S13	
R4E	S18

1937

from which

Chains

A point on a sandstone ledge, marked X B0, bears S. 36°45' W., 18 lks. dist.

A pinon, 10 ins. diam., bears N. 4°30' W., 67 lks. dist., marked T35S R4E S12 Pt.

Original cor. monument deposited at base of post. Land, broken, with a general northeasterly exposure and drainage.

Soil, shallow loose sand with a rocky surface; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, scrub juniper and pinon.

Fair grazing land.

N. 1°40' E., along the E. bdy. sec. 12.

Ascend ledgy SE. slope of broken land, through scattered timber and undergrowth.

1.14 The closing cor. secs. 7 and 18, T. 35 S., R. 5 E., subsequently set at this point.

5.60 Top of ascent on E. slope of sandstone butte, 110 ft. above cor., bears E. and W.; descend gradual NE. slope.

11.30 Ravine, 130 ft. below top of ascent, drains SW.; ascend gradual SE. slope.

15.50 Slope changes from a gradual SE. slope to a steep ledgy SW. slope.

19.40 Top of ascent, 230 ft. above ravine, bears E. and W.; descend gradually along ledgy W. slope.

23.30 Ravine, 110 ft. below top of ascent, drains W.; ascend gradual SW. slope.

28.80 Top of ascent on W. slope, 60 ft. above ravine, bears E. and W.; thence over rolling bench land.

36.26 The $\frac{1}{4}$ sec. cor. originally set for secs. 7 and 12, a sandstone, 18 x 12 x 3 ins., loosely set, marked $\frac{1}{4}$ on S. face. Cor. has no accessories.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in a hole drilled in the solid rock, and in a large mound of stone, with the original cor. monument deposited at the base of the post, for $\frac{1}{4}$ sec. cor. sec. 12, with brass cap marked

$\frac{1}{4}$
S12

1937

No suitable bearing trees available.

Thence:

N. 0°30' E., with new measurement.

4.80 Old road, bears N. 20° E., to Boulder, Utah, and S. 20° W., to Escalante, Utah.

DEPENDENT RESURVEY PORTION WEST BOUNDARY, T. 35 S., R. 4 E.

Chains

4.92 Point midway bet. the closing cors. of secs. 6 and 7, and secs. 7 and 18.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 7, with brass cap marked

$\frac{1}{4}$
S7

1937

from which,

A juniper, 8 ins. diam., bears N. 35°45' E., 164 lks. dist., marked $\frac{1}{4}$ S7 BT.

A pinon, 10 ins. diam., bears S. 81°45' E., 235 lks. dist., marked $\frac{1}{4}$ S7 BT.

5.90 Wash, 20 lks. wide, 4 ft. deep, drains S. 20° W. from the E.; ascend rocky S. slope.

9.00 Base of steep ascent over S. slope of sandstone ledges, bears E. and W.

12.50 Top of ledgy point, 130 ft. above the $\frac{1}{4}$ sec. cor. sec. 7, projects SW.; descend gradually.

14.80 Small depression, 30 ft. deep, drains SW.; ascend abruptly.

17.80 Top of sandstone rim, 270 ft. above depression, bears S. 30° E. and W.; thence over rolling bench land.

43.40 The cor. originally set for secs. 1, 6, 7, and 12, a sandstone, 16 x 12 x 2 ins., lying on the ground, marked 1 notch on bottom face and 5 notches on top face. Cor. is witnessed by four bearing trees as follows.

A juniper, 12 ins. diam., bears N. 55° E., 239 lks. dist., marked T35S R5E S6 BT. I efface the marks on this tree.

A juniper, 14 ins. diam., bears S. 50° E., 173 lks. dist., marked T35S R5E S7 BT. I efface the marks on this tree.

A juniper, 11 ins. diam., bears S. 36° W., 66 lks. dist., marked T35S R4E S12 BT.

A juniper, 10 ins. diam., bears N. 64° W., 45 lks. dist., marked T35S R4E S1 BT.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with the original cor. monument deposited at the base of the post, for cor. secs. 1 and 12, T. 35 S., R. 4 E. with brass cap marked

T35S	T35S
S1	
S12	R5E
R4E	S7

1937

Land, broken, with a general southwesterly exposure and drainage.

Chains

Soil, shallow loose sand and rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, scrub juniper and pinon.

Fair grazing land.

N. 1°16' W., along the E. bdy. sec. 1.

Over rolling bench land, through scattered timber and undergrowth.

0.90 Top of low sandy knoll; descend gradually.

1.54 The closing cor. of secs. 6 and 7, T. 35 S., R. 5 E., subsequently set at this point.

15.50 Wash, 5 lks. wide, 1 ft. deep, drains SE.

20.50 Rim of bench, bears E. and W.; thence over broken land.

23.70 Small ravine, drains W.

33.40 Head of ravine, 30 ft. deep, drains W.

39.30 Head of ravine, 50 ft. deep, drains W.; ascend gradual S. slope of rolling sandstone ledges.

39.89 The sec. cor. originally set for secs. 1 and 6, a sandstone, 18 x 5 x 4 ins., loosely set, marked $\frac{1}{4}$ on W. face. Cor. is witnessed by two bearing trees as follows.

A juniper, 10 ins. diam., bears S. 29° E., 32 lks. dist., marked $\frac{1}{4}$ S BT. I efface the marks on this tree.

A pinon, 8 ins. diam., bears S. 9° W., 50 lks. dist., marked $\frac{1}{4}$ S BT.

At the cor. point:

Set an iron post, 3 ft. long, .1 in. diam., 12 ins. in a hole drilled in the solid sandstone, and in a large mound of stone, for sec. cor. sec. 1, with brass cap marked

$\frac{1}{4}$
S1

1937

Original cor. monument deposited at base of post. Thence

N. 0°35' W., with new measurement.

1.66 Point which is a northing of 40.00 chs. from the closing cor. of secs. 6 and 7, T. 35 S., R. 5 E.

Set an iron post, 3 ft. long, 1 in. diam., 13 ins. in a hole drilled in the solid sandstone, and in a large mound of stone, for sec. cor. sec. 6, with brass cap marked

$\frac{1}{4}$
S6

1937

from which

A point on sandstone ledge, marked X B0, bears S. 41° E. 12 links dist.

DEPENDENT RESURVEY PORTION WEST BOUNDARY, T. 35 S., R. 5 E.

Chains

Station

- No suitable bearing trees available.
- 14.70 Top of ascent, 150 ft. above the 4 sec. cor. sec. 1, bear N. 80° E. and S. 80° W.; descend gradually along rocky slope.
- 22.50 Slope changes from a gradual NW. slope to a gradual N. slope.
- 30.80 Ravine, 180 ft. below top of ascent, drains W.; ascend gradually over ledgy S. slope.
- 32.40 Head of ravine, drains W.; continue ascent.
- 35.05 The cor. of T. 35 S., Rs. 4 and 5 E., an iron post, 3 ins. diam., set, marked and witnessed as described in the official record of the survey of T. 34 S., R. 5 E., Group 119, Utah.
- From this cor., the cor. of T. 34 S., Rs. 4 and 5 E., bear East, 2.79 chs. dist. Cor. is an iron post, 3 ins. diam., set, marked, and witnessed as described in the official record of the survey of T. 34 S., R. 5 E., Group 119, Utah.
- Land, broken and mountainous, with a general westerly exposure and drainage.
- Soil, shallow sand and rock; 4th rate.
- Undergrowth, sagebrush, mountain rush, and yellow top.
- Timber, juniper and pinon.
- Fair grazing land.

SURVEY OF THE 7TH STANDARD PARALLEL SOUTH THROUGH R. 5 E.

- From the standard cor. of T. 35 S., Rs. 4 and 5 E., heretofore described.
- East, along the S. bdy. of sec. 31, T. 35 S., R. 5 E.
- Over broken top of Spencer Bench, through scattered timber and undergrowth.
- 1.80 Top of E. rim of bench, bears N. and S.; descend abruptly over ledgy E. slope.
- 11.50 Base of abrupt descent, 160 ft. below cor., bears N. and S.; thence over rolling bench land.
- 40.00 On rolling bench land, 240 ft. below the township cor.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard 4 sec. cor., with brass cap marked

SC
 1/2 S31

1937

deposit a
 small pile of black round rocks at the base of the post.
 No bearing trees available.

SURVEY OF THE 6TH STANDARD PARALLEL SOUTH THROUGH R. 5 E.

Chains

54.00 Enter sandstone surface rock, bears N. and S.

55.60 Leave surface rock, bears N. and S.

80.00 On rolling land, 40 ft. below the 1 sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for the standard cor. secs. 31 and 32, with brass cap marked

	S	C
T35S	R5E	
S31	S32	

1937

deposit a sandstone, 9 x 8 x 8 ins., at base of post, marked X.

No other accessories available.

Land, rolling and broken, with a general northeasterly exposure and drainage.

Soil, shallow loose sand; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

East, along the S. bdy. sec. 32.

Over rolling bench land, through scattered timber and undergrowth.

35.00 Old wagon road, bears S. 80° E. and N. 60° W.

35.40 Narrow strip of surface rock, 50 lks. wide, bears N. and S.

37.20 Top of rocky knoll, bears North, 1.00 ch. dist.

40.00 On rolling bench land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard 1 sec. cor., with brass cap marked

	SC
1	S32

1937

from which

A lone juniper, 5 ins. diam., bears N. 79°45' W., 477 lks. dist., marked SC 1 S32 BT.

The top of a sandstone outcropping, bears N. 60° W., 2.50 chs. dist.

Cor. set at a point 45 lks. N. of old road.

63.40 Sandstone outcroppings, bears N. and S.

80.00 On rolling bench land.

SURVEY OF THE 5TH STANDARD PARALLEL, SOUTH THROUGH R. 5 E.

Chains

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for standard cor. secs. 32 and 33, with brass cap marked

S C
T35S R5E
S32 S33

1937

deposit a sandstone, 9 x 8 x 8 ins., at base of post, marked X.

No other accessories available.

Land, rolling.

Soil, shallow loose sand; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, a few scrub juniper and pinon.

Fair grazing land.

East, along the S. bdy. sec. 33.

Over rolling bench land, through scattered timber and undergrowth.

7.80 Narrow strip of sandstone surface rock, bears N. and S.

40.00 On sandstone surface rock.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for standard $\frac{1}{2}$ sec. cor., with brass cap marked

SC
 $\frac{1}{2}$ S33

1937

No bearing trees available.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground to solid rock and in a large mound of stone, for standard cor. secs. 33 and 34, with brass cap marked

S C
T35S R5E
S33 S34

1937

A juniper, 10 ins. diam., bears N. 70°15' E., 92 lks. dist., marked T35S R5E S34 SC BT.

A juniper, 8 ins. diam., bears S. 35°45' W., 148 lks. dist., marked BT.

1937

SURVEY OF THE 2TH STANDARD PARALLEL SOUTH THROUGH R. 5 E.

Chains

889 A juniper, 10 ins. diam., bears N. 2° 05' W., 589 lks.
dist., marked T35S R5E S35 SC BT.

Land, rolling.

Soil, shallow loose sand; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, a few scrub juniper and pinon.

Fair grazing land.

East, along the S. bdy. sec. 34.

Over rolling bench land, through scattered timber and undergrowth.

11.70 Top of E. rim of bench, bears N. and S.; descend gradually over ledgy E. slope.

19.30 Base of ledges, bears N. and S.; thence over rolling bench land.

36.50 Ravine, 70 ft. deep, drains N.

40.00 On gradual E. slope, 150 ft. below the standard sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock and in a large mound of stone, for standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S34

1937

from which

A pinon, 8 ins. diam., bears N. 21°30' E., 40 lks.
dist., marked $\frac{1}{4}$ S34 SC BT.

A juniper, 6 ins. diam., bears N. 55°30' W., 86 lks.
dist., marked $\frac{1}{4}$ S34 SC BT.

45.40 Ravine, 30 ft. deep, drains N. 20° W.

58.60 Small draw, drains N.

60.60 Head of ravine, 40 ft. deep, drains N. 10° W.

78.00 Low sandy ridge, bears N. 30° E. and S. 30° W.

80.00 On sandy E. slope, 30 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for the standard cor. secs. 34 and 35, with brass cap marked

S C
T35S R5E
S34 S35

1937

from which

SURVEY OF THE 9TH STANDARD PARALLEL SOUTH THROUGH N. 53.

Chains

201240

A juniper, 18 ins. diam., bears N. 38° E., 268 lks.
dist., marked T35S R5E S35 SC BT.

A juniper, 10 ins. diam., bears S. 3°30' E., 379 lks.
dist., marked BT. Tree too scrubby for other marks.
No bearing tree available in section 34.

Land, rolling and broken, with a general northerly exposure
and drainage.

Soil, shallow loose sand and rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, scrub juniper and pinon.

Fair grazing land.

East, along the S. bdy. sec. 35.

Over rolling bench land, through scattered timber and
undergrowth.

10.40 Top of SE. rim of bench, bears NE. and SW.; descend
gradually along ledgy S. slope.

32.90 Narrow gulch, 60 ft. deep, drains N. 70° E.

40.00 True point for the standard $\frac{1}{4}$ sec. cor. falls in bottom of
narrow gulch; draining N. 70° E., where it is impracticable
to set a cor.

44.56 On top of small bench.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for witness cor. to the standard $\frac{1}{4}$ sec. cor. sec.
35, with brass cap marked

SC
WC $\frac{1}{4}$ S35

1937

from which

A juniper, 8 ins. diam., bears N. 85° E., 32 lks.
dist., marked WC $\frac{1}{4}$ S35 SC BT.

A juniper, 6 ins. diam., bears S. 5° W., 31 lks.
dist., marked BT.

No other bearing tree available in sec. 35.

46.40 Top of W. rim of canyon, bears N. 30° E. and S.; descend
abruptly.

50.80 Bottom of canyon, 180 ft. below the witness cor. to the
standard $\frac{1}{4}$ sec. cor., drains N. from S. 30° E.; ascend
abrupt ledgy W. slope.

70.00 Slope changes from an abrupt W. slope to a gradual SW.
slope.

80.00 On SW. slope of surface rock, 420 ft. above bottom of
canyon.

Set an iron post, 30 ins. long, 2 ins. diam., 14 ins. in
a hole drilled in the solid sandstone, for standard cor.
secs. 35 and 36, with brass cap marked

SURVEY OF THE 6TH STANDARD PARALLEL SOUTH THROUGH R. 5 E.

Chains

S C	
T35S	R5E
S35	S36

1937

from which

A point on a sandstone ledge, marked X B0, bears N. 42° W., 21 lks. dist.

No suitable bearing tree available.

Land, rolling and broken, with a general northeasterly exposure and drainage.

Soil, shallow loose sand and rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, a few scattered scrub juniper and pinon.

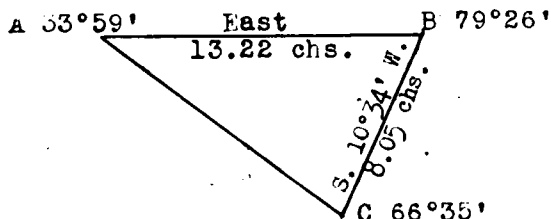
Fair grazing land.

East, along the S. bdy. sec. 36.

Ascend gradual SW. slope of broken land, through scattered timber and undergrowth.

7.10 Ravine, drains S. 60° W.; ascend steep ledgy SW. slope.

15.18 Top of high rock W. rim of deep gorge, 160 ft. above sec. cor., bears N. and S. The high vertical breaks of gorge make chaining to the E. of this point impossible, I therefore determine the distance by triangulation as follows. Erect flag A at this point and flag B on line E. From B, survey base line BC, S. 10°34' W., 8.05 chs. dist. From C, flag A subtends an angle of 66°35' from B. From A, flag C subtends an angle of 33°59' from B. Vertical angle from A to B, is minus 11°45'. All angles checked by repetition and base line double chained.



Distance on line	15.18 chs.
Distance by triangulation	13.22 chs.
	<u>28.40 chs.</u>

20.40 Approximate distance; bottom of deep gorge with perpendicular walls, 350 ft. deep, drains N. 20° E.; ascend abrupt inaccessible E. breaks of gorge.

28.40 To point B of triangulation at top of sandstone spur, 180 ft. below top of W. rim of gorge, projects NE.; descend gradual E. slope.

35.10 Ravine, 90 ft. below spur, drains N. 30° E.; ascend steep rocky W. slope.

SURVEY OF THE 7TH STANDARD PARALLEL SOUTH THROUGH R. US E.

Chains

40.00 On steep W. slope of sandstone surface rock, 20 ft. above ravine.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for the standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S36

1937

No suitable bearing trees available.

43.60 Low rocky spur, projects NW.; descend gradual NW. slope,

63.60 Ravine, 260 ft. below spur, drains N.; large tank of water in bottom of ravine, 30 lks. N. of line; ascend gradually over rocky W. slope.

80.00 On gradual rocky W. slope, 200 ft. above ravine.

Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for the standard cor. of Ts.35 S., Rs. 5 and 6 E., with brass cap marked

SC
T35S

R5E	R6E
S36	S31

1937

from which

A point on the W. face of ledge, marked X B0, bears S. $86^{\circ}45'$ E., 48 lks. dist.

A juniper, 12 ins. diam., bears S. 23° W., 97 lks. dist., marked BT.

The high point on a mesa, bears S. 22° W., about 25.00 chs. dist.

The E. point of top of a flat mesa, bears N. $26^{\circ}20'$ W., about 5 miles dist.

No bearing trees to the N. of cor. available.

Land, broken, with a general northerly exposure and drainage.

Soil, shallow loose sand and rock; 4th rate.

Undergrowth, sagebrush, mountain rush, yellow top, and weeds.

Timber, a few scrub juniper and pinon on portion of mile.

Fair grazing land.

SURVEY OF THE EAST BOUNDARY, T. 35 S., R. 5 E.

Chains

October 8, 1937: Stationed at the standard cor. Ts. 35 S., Rs. 5 and 6 E., in approximate latitude $37^{\circ}43'$ N., longitude $111^{\circ}18'$ W., with instrument No. 16726, at 9h 36.8m a.m. local mean time, I make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a tree on the sky line about 18 miles N. of my station, in a westerly direction to the star.

Watch time of observation (correct 105th Meridian Standard Time)..... 10h 02.0m a.m.

Mean horizontal deflection angle, tree to star..... $0^{\circ} 54' W.$

Azimuth of Polaris at time of observation $0^{\circ} 54' W.$

True bearing to tree..... North.

Thence, from the above cor.

North, on a random line along the E. bdy. of the township for alinement only, and fall 1.93 chs. W. of the cor. Ts. 34 and 35 S., Rs. 5 and 6 E., hereinafter described.

Thence, from the standard cor. Ts. 35 S., Rs. 5 and 6 E.

N. $0^{\circ}14' E.$, bet. secs. 31 and 36, on true line.

Descend gradually over ledgy NW. slope of broken land, through scattered undergrowth and timber.

13.90 Base of ledgy descent, 230 ft. below cor., bears NE. and SW.; thence over rolling bench land.

29.20 Top of N. rim of bench, bears E. and W.; descend over rocky N. slope.

32.70 Top of S. rim of canyon, bears N. $60^{\circ} E.$ and S. $60^{\circ} W.$; descend abruptly over vertical ledge, 200 ft. high.

36.10 Small stream of good water in bottom of canyon, 520 ft. below the standard township cor., flows N. $60^{\circ} E.$; ascend gradually over rocky SE. slope.

40.00 On rocky SE. slope, 90 ft. above bottom of canyon.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S36 | S31

1937

from which

A juniper, 10 ins. diam., bears S. $53^{\circ}45' E.$, 38 lks. dist.; marked $\frac{1}{4}$ S31 BT.

A juniper, 10 ins. diam., bears N. $66^{\circ}45' W.$, 218 lks. dist., marked $\frac{1}{4}$ S36 BT.

50.80 Top of SW. rim of Escalante River, 80 ft. above the $\frac{1}{4}$ sec. cor., bears N. $30^{\circ} W.$ and S. $30^{\circ} E.$; descend abruptly over vertical sandstone ledges to river bottom.

SURVEY OF THE EAST BOUNDARY, T. 35 S., R. 5 E.

Chains

S. 1810

- 53.90 Enter bottom lands of the Escalante River, bears N. 30° W. and S. 30° E.
- 61.00 The Escalante River, stream of good water, 50 lks. wide, 1 ft. deep, flows SE., about 15.00 chs. dist., thence N.
- 61.50 Leave bottom lands of river, bears NW. and SE.; ascend abrupt ledgy SW. slope.
- 62.10 Top of N. rim of river, bears NW. and SE.; thence ascend gradually over series of small sandstone draws and spurs, draining and projecting to the W.
- 74.20 Spur, 270 ft. above river, projects W.; descend gradual N. slope.
- 80.00 True point for the cor. of secs. 25, 30, 31, and 36, falls in S. breaks of narrow gorge, where it is impracticable to set a cor.
- 80.70 Bottom of deep narrow gorge known as The Gulch, 240 ft. below spur, drains S. 70° W.; small stream of good water in bottom of gorge; ascend abruptly over ledges.
- 83.52 On steep ledge S. slope, 230 ft. above gorge.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in a hole drilled in the solid rock and in a large mound of stone, for witness cor. to the cor. of secs. 25, 30, 31, and 36, with brass cap marked

T353	
R5E	R6E
S25	S30
S36	S31
WC	

1937

from which

A point on the face of sandstone ledge, marked X B0, bears N. 27°45' E., 14 lks. dist.

No other suitable accessories available.

Land, broken, with a general northeasterly and southwesterly exposure and drainage.

Soil, shallow sand and rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, a few scattered scrub juniper and pinon.

Fair grazing land.

N. 0°14' E., bet. secs. 25 and 30, counting distance from the true point for the cor. of secs. 25, 30, 31, and 36.

- 3.52 The witness cor. to the cor. secs. 25, 30, 31, and 36.

Ascend steep ledgy S. slope of broken land, through scattered undergrowth.

- 10.10 Top of ascent, 90 ft. above the witness cor., bears NE. and SW.; thence over rolling surface rock.

SURVEY OF THE EAST BOUNDARY, T. 35 S., R. 5 E.

Chains

- 14.70 Top of gradual descent over ledgy N. slope, bears E. and W. by line, 100 ft. below top of ascent, drains S. 80° E.; ascend gradual S. slope.
- 20.50 Base of ledges, bears E. and W. by descend gradual N. slope, through scattered timber.
- 30.70 Ravine, 150 ft. below top of ascent, drains S. 80° E.; ascend gradual S. slope.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S25	S30
-----	-----

1937

from which

A pinon, 8 ins. diam., bears S. 72°45' E., 182 lks. dist., marked $\frac{1}{4}$ S30 BT.

A pinon, 12 ins. diam., bears N. 36°45' W., 23 lks. dist., marked $\frac{1}{4}$ S25 BT.

69.20 Small draw, drains E.; thence over more broken land.

73.50 Small, rocky spur, projects E.; descend gradual N. slope.

74.50 Ravine, 50 ft. below spur, drains E.; ascend gradual S. slope.

80.00 On gradual S. slope of sandstone rise, 30 ft. above ravine.

Set an iron post, 30 ins. long, 2 ins. diam., 14 ins. in a hole drilled in the solid rock and in a large mound of stone, for cor. secs. 19, 24, 25, and 30, with brass cap marked

T35S

R5E	R6E
S24	S19

S25	S30
-----	-----

1937

from which

A pinon, 3 ins. diam., bears N. 70°15' E., 62 lks. dist., marked BT.

A pinon, 8 ins. diam., bears S. 11°30' E., 114 lks. dist., marked T35S R6E S30 BT.

A pinon, 6 ins. diam., bears S. 63°45' W., 186 lks. dist., marked T35S R5E S25 BT.

A pinon, 10 ins. diam., bears N. 69°45' W., 145 lks. dist., marked T35S R5E S24 BT.

Land, broken, with a general southeasterly exposure and drainage.

Soil, shallow loose sand and rock; 4th rate.

SURVEY OF THE EAST BOUNDARY, T. 55 S., R. 5 E.

Chains

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, scrub juniper and pinon.

Fair grazing land.

N. 0°14' E., bet. secs. 19 and 24.

Ascend gradual S. slope of broken land, through scattered timber and undergrowth.

4.20 Top of ascent, 30 ft. above cor., bears N. 60° W. and S. 60° E.; thence over rolling E. slope.

10.30 Top of low sandstone ridge, bears NE. and SW.; descend gradually over rocky N. slope.

17.10 Ravine, 130 ft. below ridge, drains N. 85° E.; ascend gradual S. slope through scattered timber.

22.70 Wash, 10 lks. wide, 4 ft. deep, drains E., 3.00 chs. dist. thence S.

33.00 Top of ascent, 150 ft. above ravine, bears E. and W.; thence across rolling sandy bench.

40.00 On sandy bench.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S24	S19
-----	-----

1937

from which

A juniper, 12 ins. diam., bears S. 52°15' E., 45 lks. dist., marked $\frac{1}{4}$ S19 BT.A juniper, 6 ins. diam., bears S. 80°45' W., 87 lks. dist., marked $\frac{1}{4}$ S24 BT.

69.70 Land becomes broken, bears NE. and SW.

80.00 On broken bench land, 50 lks. to the S. of rim of gulch, 80 ft. above the $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to solid rock and in a large mound of stone, for cor. secs. 13, 18, 19, and 24, with brass cap marked

T35S	
R5E	R6E
S13	S18

S24	S19
-----	-----

1937

from which

A juniper, 12 ins. diam., bears N. 86° E., 140 lks. dist., marked BT. Tree too scrubby for other marks.

A juniper, 20 ins. diam., bears S. 58°15' E., 208 lks. dist., marked T35S R6E S19 BT.

SURVEY OF THE EAST BOUNDARY, T. 35 S., R. 5 E.

Chains.

A juniper, 18 ins. diam., bears S. 16°30' W., 36 lks. dist., marked T35S R5E S24 BT.

No bearing tree in sec. 13 available.

Land, broken and rolling, with a general easterly exposure and drainage.

Soil, shallow sand and rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, scrub juniper and pinon.

Fair grazing land.

N. 0°14' E., bet. secs. 13 and 18.

Over broken bench land, through scattered timber and undergrowth.

0.50 Top of S. rim of The Gulch, bears N. 60° W. and S. 60° E.; descend steep ledgy N. slope.

9.80 Bottom of The Gulch, 340 ft. below cor., drains N. 30° E., about 5.00 chs. dist., thence S. 10° E.; ascend steep ledgy SE. slope.

19.20 Top of N. rim of The Gulch, 250 ft. above bottom, bears E. and W.; thence over rolling land.

27.80 Leave rolling land and enter sandy bench land, bears E. and W.

40.00 On sandy bench land.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S13 | S18

1937

from which

A juniper, 6 ins. diam., bears S. 47° E., 123 lks. dist., marked $\frac{1}{4}$ S18 BT.

A pinon, 8 ins. diam., bears N. 57°15' W., 102 lks. dist., marked $\frac{1}{4}$ S13 BT.

48.10 Top of ascent on rolling bench, bears E. and W.; descend general NW. slope through medium dense timber.

58.10 Wash, 5 lks. wide, 1 ft. deep, drains W.

80.00 On rolling bench land, 70 ft. below top of ascent.

Set an iron post, 30 ins. long, 2 ins. diam., 12 ins. in a hole drilled in the solid sandstone, and in a large mound of stone, for cor. secs. 7, 12, 13, and 18, with brass cap marked

SURVEY OF THE EAST BOUNDARY, T. 35 S., R. 5 E.

Chains

T35S	
R5E	R6E
S12	S7
<hr/>	
S13	S18

1937

from which

A pinon; 16 ins. diam., bears N. $58^{\circ}45'$ E., 21 lks. dist., marked T35S R6E S7 BT.

A pinon, 14 ins. diam., bears S. 18° E., 196 lks. dist., marked T35S R6E S18 BT.

A pinon, 16 ins. diam., bears S. $47^{\circ}15'$ W., 49 lks. dist., marked T35S R5E S13 BT.

A pinon, 8 ins. diam., bears N. 73° W., 78 lks. dist., marked T35S R5E S12 BT.

Land, rolling and broken; with a general southwesterly exposure and drainage.

Soil, shallow sand and rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. $0^{\circ}14'$ E., bet. secs. 7 and 12.

Over rolling and broken bench land, through medium dense timber and scattered undergrowth.

2.20 Small ravine; drains W.; ascend gradual SE. slope.

4.30 Small ravine, 40 ft. deep, drains S. 70° W.; continue gradual ascent over SE. slope.

25.50 Ravine, 15 ft. deep, drains SW.; ascend gradually over rocky S. slope.

31.80 The W. point of sandstone ledge; thence along W. slope of ledges.

33.50 Leave ledges, bears NE. and SW.; thence over rolling bench land.

39.00 Wash, 5 lks. wide, 1 ft. deep, drains S. 60° W.

40.00 On rolling bench land, 2.50 chs. to the W. of a sandstone ledge.

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S12	S7
-----	----

1937

from which

Chains

A juniper, 10 ins. diam., bears N. 13° E., 144 lks.
dist., marked $\frac{1}{2}$ S7 BT.

A pinon, 18 ins. diam., bears N. 23°15' W., 142 lks.
dist., marked $\frac{1}{2}$ S12 BT.

54.10 Top of ascent on rolling bench, 40 ft. above the $\frac{1}{2}$ sec. cor.,
bears NE. and SW.; descend gradual NW. slope.

64.80 Ravine, 60 ft. below top of ascent, drains SW., 2.00 chs.
dist., thence S. 10° W.; thence along steep E. slope of
flat bench to the W.

78.50 Leave steep E. slope and enter rolling bench land, bears
NW. and S. 10° E.

80.00 On sandy rolling bench land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the
ground and in a large mound of stone, for cor. secs. 1, 6,
7, and 12, with brass cap marked.

T35S	
R5E	R6E
S1	S6
S12	S7

1937

from which

A pinon, 20 ins. diam., bears N. 79°45' E., 180 lks.
dist., marked T35S R6E S6 BT.

A pinon, 8 ins. diam., bears S. 20° E., 158 lks.
dist., marked T35S R6E S7 BT.

A pinon, 12 ins. diam., bears S. 53°15' W., 107 lks.
dist., marked T35S R5E S12 BT.

A juniper, 16 ins. diam., bears N. 59° W., 45 lks.
dist., marked T35S R5E S1 BT.

Land, rolling and broken, with a general easterly and
southwesterly exposure and drainage.

Soil, shallow sand and rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. 0°14' E., bet. secs. 1 and 6.

Over rolling bench land, through medium dense timber and
scattered undergrowth.

35.00 Base of high sandstone ledge, bears E. and W.; ascend
abrupt S. face of ledge.

39.60 Top of ledge, 210 ft. above sec. cor., bears E. and SW.;
thence across rolling top of mesa.

40.00 On rolling top of mesa.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the

SURVEY OF THE EAST BOUNDARY, T. 35 S., R. 5 E.

Chains

sanistone

ground, for $\frac{1}{2}$ sec. cor., with brass cap marked
$$\begin{array}{c} \uparrow \\ 51 \mid 86 \end{array}$$

1937

from which

A juniper, 4 ins. diam., bears N. 64° E.; 51 lks. dist., marked $\frac{1}{2}$ S6 BT.

A juniper, 8 ins. diam., bears N. $18^{\circ}30'$ W., 79 lks. dist., marked $\frac{1}{2}$ S1 BT.

60.50 Top of N. edge of mesa, bears N. 70° W. and S. 70° E.; descend over vertical ledge, 30 ft. high; thence over rolling bench land.

73.12 The cor. of Ts. 34 and 35 S., Rs. 5 and 6 E., an iron post, 3 ins. diam., set, marked, and witnessed, as described in the official record of the survey of T. 34 S. R. 5 E., Group 119, Utah.

Land, rolling and broken.

Soil, shallow sand and rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

SURVEY OF A PORTION NORTH BOUNDARY, T. 35 S., R. 5 E.

From the cor. of secs. 3, 4, 33, and 34, on the N. bdy. of the township, an iron post, 2 ins. diam., set, marked, and witnessed, as described in the official record of the survey of T. 34 S., R. 5 E., Group 119, Utah.

West, on a random line, along the N. bdy. of the township, for alinement only, and fall 14 lks. S. of the cor. T. 34 S., Rs. 4 and 5 E., heretofore described.

Thence:

From the cor. of secs. 3, 4, 33, and 34.

N. $89^{\circ}58'$ W., on true line, bet. secs. 4 and 33.

Ascend gradually over broken SE. slope, through scattered timber and undergrowth.

6.00 Ridge, 90 ft. above cor., bears N. 20° E. and S. 20° W.; ascend gradually along N. slope.

9.60 Top of ascent on N. slope, 40 ft. above ridge, bears N. and S.; descend abruptly over NW. face of ledges.

23.20 Base of ledges, bears NE. and SW.; thence descend gradual NW. slope.

32.50 Shallow sandy draw, drains SW.

40.00 On sandstone surface rock, 330 ft. below top of ascent.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked

S33

S4

1937

from which

A juniper, 4 ins. diam., bears N. 47° E., 64 lks. dist., marked $\frac{1}{2}$ S33 BT.

A juniper, 7 ins. diam., bears S. 78° W., 222 lks. dist., marked $\frac{1}{2}$ S4 BT.

56.50 Shallow rocky draw, drains SW.; thence over surface rock.

64.30 Leave surface rock and enter sandy bench land, bears N. and S.

80.00 On sandy bench land, 80 ft. below the $\frac{1}{2}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and in a mound of stone, for cor. secs. 4, 5, 32, and 33, with brass cap marked

T34S	R5E
S32	S33

S5	S4
----	----

T35S

1937

from which

A juniper, 8 ins. diam., bears N. 45° E., 135 lks. dist., marked T34S R5E S33 BT.

A juniper, 12 ins. diam., bears S. 30° E., 42 lks. dist., marked T35S R5E S4 BT.

A juniper, 20 ins. diam., bears S. 49° W., 42 lks. dist., marked T35S R5E S5 BT.

A juniper, 12 ins. diam., bears N. 25° W., 80 lks. dist., marked T34S R5E S32 BT.

Land, broken and rolling, with a general southerly exposure and drainage.

Soil, shallow sand and rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. 89°58' W., bet. secs. 5 and 32.

Descend abruptly over vertical E. rim of Deer Creek, through scattered timber and undergrowth.

3.00 Deer Creek, stream of good water, 20 lks. wide, 2 ft.

SURVEY OF A PORTION NORTH BOUNDARY, T. 35-S., R. 5 E.

Chains	
	deep, in bottom of narrow gorge, rimmed with vertical ledges 75 ft. high, flows S. 30° E. from N. 10° E.; ascend abruptly over broken ledges.
12.60	Top of vertical sandstone ledge, 150 ft. high, bears N. and S.; continue ascent over ledgy E. slope.
16.50	Top of divide ridge bet. Deer Creek and Boulder Creek, 580 ft. above Deer Creek, bears N. 30° W. and S. 30° E.; descend gradual W. slope.
26.30	Top of E. rim of Boulder Creek, 80 ft. below ridge, bears S. 20° E., and W., about 1.00 ch., thence N.; descend abrupt E. breaks of creek.
40.00	True point for the $\frac{1}{4}$ sec. cor. secs. 5 and 32, falls on face of sandstone ledge, where it is impracticable to set a cor.
42.86	At base of ledges, bears N. 30° E. and S. 30° W. Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock and in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 5 and 32, with brass cap marked
	<div style="text-align: center;"> $\begin{array}{r} S32 \\ \hline S5 \end{array} \quad WC$ </div>
	1937
	from which
	A pinon, 12 ins. diam., bears S. 68° W., 63 lks. dist., marked WC $\frac{1}{4}$ S5 BT.
	A pinon, 6 ins. diam., bears N. 65° W., 71 lks. dist., marked WC $\frac{1}{4}$ S32 BT.
44.80	Boulder Creek, stream of good clear water, 30 lks. wide, 2 ft. deep, in bottom of canyon, 470 ft. below top of divide ridge, flows S. 30° W., about 8.00 chs. dist., thence easterly; thence ascend gradually over bench land.
55.30	Ravine, 60 ft. above Boulder Creek; drains S. 60° E., about 5.00 chs. dist. to its junction with Boulder Creek; ascend steep NE. face of ledges.
58.10	Top of ascent, 110 ft. above ravine, bears N. and S.; descend gradually along N. slope.
69.40	Recross ravine, 80 ft. below top of ascent, drains N. 80° E.; ascend abruptly.
77.60	Bend in same ravine, 10 ft. above last crossing, drains SE. from the SW.; tank of water in bottom of ravine, 50 lks. long, 20 lks. wide; ascend broken SE. slope of rocky spur.
80.00	On broken SE. slope of rocky spur, 50 ft. above bend in ravine. Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for cor. secs. 5, 6, 31, and 32, with brass cap marked

SURVEY OF A PORTION NORTH BOUNDARY, T. 35 S., R. 5 E.

Chains

T34S	R5E
S31	S32
S6	S5
T35S	

1937

from which

A pinon, 6 ins. diam., bears N. 62°45' E., 165 lks. dist., marked T34S R5E S32 BT.

A juniper, 10 ins. diam., bears S. 37°30' E., 175 lks. dist., marked BT. Tree too scrubby for other marks.

A juniper, 8 ins. diam., bears S. 50°30' W., 54 lks. dist., marked S6 BT. Tree too scrubby for other marks.

No bearing tree in sec. 31 available.

Land, broken, with a general southeasterly exposure and drainage.

Soil, shallow sand and rock; 4th rate.

Undergrowth, sagebrush and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. 89°58' W., bet. secs. 6 and 31.

Ascend gradual E. slope of broken land, through scattered timber and undergrowth.

ascend gradual E. slope of broken land, through scattered timber and undergrowth.

1.00 Small draw near head, drains S., 1.00 chs. dist. to its junction with large ravine.

6.00 Top of ascent, 40 ft. above cor., bears N. and S.; descend gradual W. slope.

8.40 Draw near head, 90 ft. below top of ascent, drains S., 2.00 chs. dist. to its junction with large ravine.

12.20 Rocky spur, 80 ft. above draw, projects S. 30° E.; descend gradual W. slope.

15.50 Wash, 20 lks. wide, 1 ft. deep, drains S., 1.00 ch. dist. to its junction with large ravine.

17.90 Ravine, 40 ft. below spur, drains S. 60° E.; ascend abruptly.

23.90 Top of rocky point, 60 ft. above ravine, projects S.; descend abruptly.

24.50 Ravine, 120 ft. below rocky point, drains SE., 2.00 chs. dist., thence easterly; ascend gradual E. slope.

32.70 Top of ascent, 120 ft. above ravine, bears NE. and SW.; descend gradual N. slope.

34.30 Ravine, 180 ft. below top of ascent, drains N. 30° E.; ascend gradual NE. slope.

SURVEY OF A PORTION NORTH BOUNDARY, T. 35 S., R. 5 E.

Chains

- 40.00 On gradual NE. slope, 150 ft. above ravine.
Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$ $\frac{S31}{S6}$
 1937
- from which
- A pinon, 5 ins. diam., bears N. 72° E., 101 lks. dist., marked $\frac{1}{4}$ S31 BT.
- A pinon, 8 ins. diam., bears S. 29°15' W., 97 lks. dist., marked $\frac{1}{4}$ S6 BT.
- 45.90 Top of ascent, 30 ft. above the $\frac{1}{4}$ sec. cor., bears N. and SE.; descend gradual NW. slope.
- 50.00 Draw near head, 90 ft. below top of ascent; drains NE.; ascend gradual E. slope.
- 64.20 Old wagon road, bears N. to Boulder, Utah, and S. to Escalante, Utah.
- 67.00 Top of ascent, 20 ft. above head of draw, bears N. and SE. descend gradually over rolling bench land.
- 72.60 Top of sandstone ledge, faces S. and bears N. 70° W. and SE.
- 79.46 The cor. of Ts. 34 S., Rs. 4 and 5 E., heretofore described 160 ft. below top of ascent.
Thence, west, along the N. bdy. of sec. 6, T. 35 S., R. 5 E., and the S. bdy. sec. 36, T. 34 S., R. 4 E.
- 82.25 The cor. of Ts. 35 S., Rs. 4 and 5 E., heretofore described
Land, broken, with a general southeasterly exposure and drainage.
Soil, shallow loose sand and rock; 4th rate.
Undergrowth, sagebrush, mountain rush, and yellow top.
Timber, juniper and pinon.
Fair grazing land.

SUBDIVISION, T. 35 S., R. 5 E.

- From the standard cor. of secs. 35 and 36, on the S. bdy. of the township, heretofore described.
- N. 0°13' E., bet. secs. 35 and 36, parallel to the E. bdy. of the township.
- Ascend abrupt SE. slope of broken sandstone surface rock, through scattered timber and undergrowth.
- 6.52 Top of ascent on SE. slope, 120 ft. above cor., bears E. and W. The line to the N. of this point, crosses a

SUBDIVISION, T. 36 S., R. 5 E.

Chains

deep gorge and a high inaccessible island mesa, over which it is impossible to project a line, I therefore offset and traverse from the 6.52 chs. point as follows.

East, 9.87 chs., thence

N. $0^{\circ}13'$ E., 43.80 chs., thence

S. $54^{\circ}15'$ W., 12.20 chs. to a point on true line which is N. $0^{\circ}13'$ E., 43.19 chs. dist. from the standard cor. of secs. 35 and 36, on the S. bdy. of the township.

Approximate distance to topography on true line.

12.00 Bottom of deep narrow gorge, drains N. 60° E., about 20.00 chs. dist., thence N. 55° E.; ascend abrupt SE. face of high island mesa.

22.00 Top of inaccessible high island mesa; thence descend abrupt inaccessible NE. breaks of mesa.

40.00 True point for the $\frac{1}{4}$ sec. cor. falls on inaccessible NE. breaks of mesa, where it is impracticable to set a cor.

43.19 At base of breaks of island mesa.

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in a hole drilled in the solid surface rock and in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 35 and 36, with brass cap marked

$\frac{1}{4}$

S35 | S36

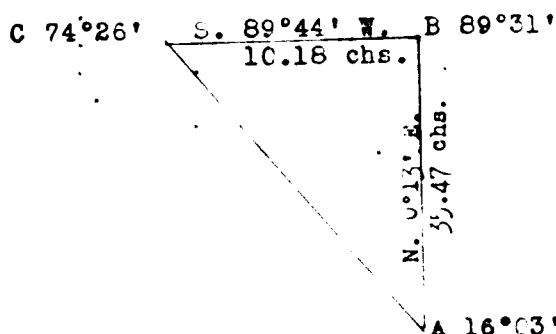
WC

1937

No suitable bearing trees available.

The line to the N. of this cor. passes over broken ledges and the inaccessible breaks of a deep gulch, over which I am unable to chain, I therefore determine the distance by triangulation as follows.

Erect flag A at the witness cor. to the $\frac{1}{4}$ sec. cor., and flag B on line to the N. From B, survey base line, BC, S. $89^{\circ}44'$ W., 10.18 chs. dist. From C, flag A subtends an angle of $74^{\circ}26'$ from B, From A, flag C subtends an angle of $16^{\circ}03'$ from B. All angles checked by repetition and base line double chained.



Distance on line
Distance by triangulation

43.19 chs.
35.47 chs.
78.66 chs.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

65.00 Bottom of deep gulch with inaccessible N. and S. breaks, drains N. 70° E.

78.66 To point B. of triangulation.

80.00 On broken land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. secs. 25, 26, 35, and 36, with brass cap marked

T35S	R5E
S26	S35
S35	S36

1937

from which

A juniper, 10 ins. diam., bears N. 50°45' E., 124 lks. dist., marked BT. Tree too scrubby for other marks.

A juniper, 18 ins. diam., bears S. 17° E., 119 lks. dist., marked T35S R5E S36 BT.

A juniper, 12 ins. diam., bears S. 67°45' W., 157 lks. dist., marked T35S R5E S35 BT.

A juniper, 8 ins. diam., bears N. 30° W., 111 lks. dist., marked BT. Tree too scrubby for other marks.

Land, broken and mountainous, with a general easterly exposure and drainage.

Soil, loose sand and sandstone ledges and surface rock; 4th rate.

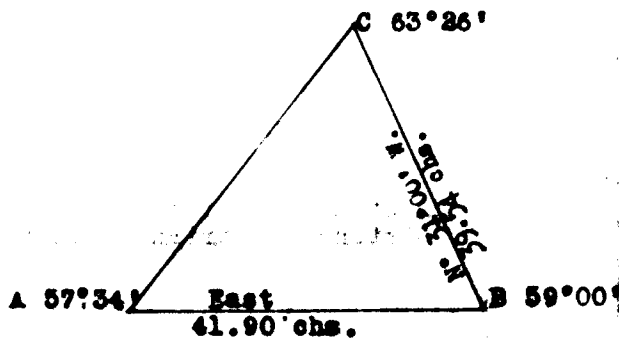
Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, scrub juniper and pinon.

Fair grazing land.

East, on random line, bet. secs. 25 and 36.

15.40 The line to the E. of this point, crosses the Escalante River, three times, and the vertical breaks of the river make chaining to the E. of this point impossible, I therefore determine the distance by triangulation as follows. Erect flag A at the cor. of secs. 25, 26, 35, and 36, and flag B on line to the E. From B, survey base line BC, N. 31°00' W., 39.54 chs. dist. From C, flag A subtends an angle of 63°26' from B. From A, flag C subtends an angle of 57°34' from B. Vertical angle from A to B, is a minus 0°05'. All angles checked by repetition.



SUBDIVISION, T. 35 S., R. 5 E.

Chains

Distance by triangulation 41.90 chs.
 Distance by return measurement ~~38.38 chs.~~
 41.90 chs.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

41.90 To point B. of triangulation.

62.74 The line to the E. of this point, passes over the steep S. face of ledges over which it is impracticable to chain, I therefore offset as follows.

N. $0^{\circ}14'$ E., 3.52 chs., thence

East, 17.34 chs. on offset line to:

80.08 The witness cor. to the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the township, which is N. $0^{\circ}14'$ E., 3.52 chs. dist. from the true point for the cor. of said secs.

The course and distance of the line bet. secs. 25 and 36, therefore is, West, 80.08 chs.

Thence:

West, on true line, bet. secs. 25 and 36, counting distances from the true point for the cor. of secs. 25, 30, 31, and 36.

Along steep S. face of sandstone rim, through scattered timber and undergrowth.

1.50 The Gulch, 240 ft. deep, drains S. 70° W.

17.34 To point of offset at top of low flat spur, 60 ft. above true point for cor., projects S. 10° E.; thence along broken top of bench land.

20.40 Top of gradual descent, bears N. and S.; from this point, the top of N. rim of breaks of Escalante River, bears South, about 4.00 chs. dist.

26.00 Small depression, drains S., 1.50 chs. dist. to rim of canyon; ascend gradually.

38.20 Top of ascent, 60 ft. above depression, bears NW. and SE.; descend abrupt S. slope.

40.04 On abrupt S. slope of sandstone surface rock, 50 ft. below top of ascent.

Set an iron post; 3 ft. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S25
 $\frac{1}{4}$ ———
 S36

1937

from which

A point on sandstone ledge, marked X.B0, bears N. $43^{\circ}45'$ E., 13 $\frac{1}{2}$ lks. dist.

No suitable bearing trees available.

41.75 Top of vertical rim of the Escalante River, about 250 ft. high, bears NW. and SE.; thence by triangulation, giving approximate distances to topography.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

- 43.00 The Escalante River, stream 30 lks. wide, 3 ft. deep, in bottom of deep narrow canyon with high perpendicular sandstone walls, flows SE.
- 52.00 Top of high sandstone point, about 350 ft. above river, projects N.; descend abruptly to river.
- 55.00 Recross river, flows northeasterly through a deep narrow canyon with high inaccessible breaks.
- 60.00 Top of high sandstone point, about 350 ft. above river, projects SW.; descend abruptly to river.
- 62.00 Recross river, flows southerly; ascend abruptly over inaccessible E. face of ledges.
- 64.68 Top of N. rim of breaks of river, about 150 ft. above bottom, bears N. and S.; thence by chaining over broken sandstone outcroppings, through scattered juniper and pinon timber; ascend abrupt E. slope.
- 66.50 Top of ascent, 50 ft. above rim of river, bears N. and S. descend gradual SW. slope.
- 73.00 Small ravine, 40 ft. below top of ascent, drains S. 30° E. ascend gradually over rocky E. slope.
- 80.08 The cor. of secs. 25, 26, 35, and 36, 120 ft. above ravine. Land, broken bench land and inaccessible breaks of the Escalante River.
- Soil, shallow loose sand and surface rock; 4th rate.
- Undergrowth, sagebrush, mountain rush, and yellow top.
- Timber, scrub juniper and pinon.
- Good grazing land, most of which is inaccessible to stock.

N. 0°13' E., bet. secs. 25 and 26.

Along gradual E. slope of broken bench land, through scattered timber and undergrowth.

- 4.00 Sandstone ravine, 1.00 ch. wide, 75 ft. deep, drains SE.; ascend gradually over broken S. slope.
- 12.70 Top of rocky rise, 50 ft. above cor., bears E. and W.; descend gradually over rocky N. slope.
- 18.00 Top of S. rim of the Escalante River, bears E. and W.; descend abrupt N. slope over ledges.
- 25.4 The Escalante River, stream 30 lks. wide, 1 ft. deep, in bottom of deep canyon, 260 ft. below top of rocky rise, flows S. 80° E.; ascend abruptly over vertical ledges.
- 27.00 Top of N. rim of river, 120 ft. above stream, bears E. and N.; ascend gradual E. slope.
- 40.00 On broken sandstone surface rock, 240 ft. above river.

Set an iron post, 30 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone, for 1/2 sec. cor., with brass cap marked

SUBDIVISION, T. 35 S., R. 5 E.

Chains

S26 S25

1937

from which

A juniper, 7 ins. diam., bears N. 47°30' E., 134 lks. dist., marked $\frac{1}{2}$ S25 BT.

A juniper, 5 ins. diam., bears N. 28° W., 53 lks. dist., marked $\frac{1}{2}$ S26 BT.

From this cor., the top of the E. break of the Escalante River, bears West, about 6.00 chs. dist.

47.20 Sandstone ravine, 2.00 chs. wide, 100 ft. deep, drains W., about 10.00 chs. dist. to its junction with the Escalante River; thence across rolling and broken land.

65.00 Wash, 20 lks. wide, 4 ft. deep, drains SW.

74.80 Wash, 10 lks. wide, 2 ft. deep, drains SW.

80.00 On sandstone surface rock.

Set an iron post, 30 ins. long, 2 ins. diam., 12 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for cor. secs. 23, 24, 25, and 26, with brass cap marked

T35S	R5E
S25	S24
S26	S25

1937

from which

A pinon, 18 ins. diam., bears N. 54° E., 450 lks. dist., marked T35S R5E S24 BT.

A pinon, 10 ins. diam., bears S. 38° E., 269 lks. dist., marked T35S R5E S25 BT.

A juniper, 6 ins. diam., bears S. 87° W., 60 lks. dist., marked T35S R5E S26 BT.

A pinon, 14 ins. diam., bears N. 35°45' W., 269 lks. dist., marked T35S R5E S23 BT.

Land, broken and rolling, with a general southwesterly and northeasterly exposure and drainage.

Soil, shallow loose sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

East, on random line, bet. secs. 24 and 25.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

SUBDIVISION, T. 35 S., R. 5 E.

ended

Chains

80.08 Intersect the cor. secs. 19, 24, 25, and 30, on the E. bdy. of the township, heretofore described.

Thence:

West, on true line, bet. secs. 24 and 25.

Descend gradually over SW. slope of broken land, through scattered timber and undergrowth.

4.00 Small depression near head, 30 ft. below cor., drains SE. ascend gradually over broken E. slope.

23.00 Top of ascent on rocky bench, 130 ft. above depression, bears N. and S.; descend abrupt ledgy W. slope.

29.40 Descent becomes gradual, bears N. and S.

40.04 On broken W. slope, 160 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S24

$\frac{1}{4}$ S25

1937

from which

A pinon, 7 ins. diam., bears N. 35° E., 33 lks. dist., marked $\frac{1}{4}$ S24 BT.

A juniper, 6 ins. diam., bears S. $53^{\circ}30'$ W., 20 lks. dist., marked BT. Tree too scrubby for other marks.

A point on a sandstone ledge, marked X B0, bears S. 24° E., 16 lks. dist.

46.00 Sandy wash, 30 lks. wide, 2 ft. deep, drains SW.

52.50 Top of low rise on bench, bears NE. and SW.

62.60 Small sandy wash, 10 lks. wide, 1 ft. deep, drains SW.

80.08 The cor. of secs. 23, 24, 25, and 26, 40 ft. below the $\frac{1}{4}$ sec. cor.

Land, broken, with a general southwesterly and southeasterly exposure and drainage.

Soil, shallow sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. $0^{\circ}13'$ E., bet. secs. 23 and 24.

Ascend gradual S. slope of rolling and broken land, through scattered timber and undergrowth.

23.70 Wash, 30 lks. wide, 3 ft. deep, drains SW.

Chains

40.00 On rolling surface rock, 60 ft. above sec. cor.

Set an iron post, 30 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S23 S24

1937

from which

A juniper, 10 ins. diam., bears N. $61^{\circ}30'$ E., 198 lks. dist., marked $\frac{1}{4}$ S24 BT.

A pinon, 5 ins. diam., bears N. $63^{\circ}15'$ W., 117 lks. dist., marked $\frac{1}{4}$ S23 BT.

47.00 Wash, 10 lks. wide, 6 ft. deep, drains SE., 1.00 ch. dist., thence S. 70° E.; ascend gradually over rocky SE. slope.

57.00 Top of ascent, 70 ft. above the $\frac{1}{4}$ sec. cor., bears N. 60° W. and S. 60° E.; thence along rocky W. slope.

67.00 Wash, 10 lks. wide, 2 ft. deep; drains NW.

75.80 Wash, 10 lks. wide, 4 ft. deep, drains N. 75° W.

80.00 On sandstone surface rock.

Set an iron post, 30 ins. long, 2 ins. diam., 12 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for cor. secs. 13, 14, 23, and 24, with brass cap marked

T35S R5E

S14 S13

S23 S24

1937

from which

A pinon, 6 ins. diam., bears N. $10^{\circ}30'$ E., 56 lks. dist., marked BT. Tree too scrubby for other marks.

A pinon, 16 ins. diam., bears S. 38° E., 89 lks. dist., marked T35S R5E S24 BT.

A pinon, 10 ins. diam., bears S. $69^{\circ}15'$ W., 232 lks. dist., marked T35S R5E S23 BT.

A pinon, 18 ins. diam., bears N. 82° W., 661 lks. dist., marked T35S R5E S14 BT.

Land, broken and rolling, with a general southwesterly exposure and drainage.

Soil, shallow sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

SUBDIVISION, T. 36 S., R. 5 E.

anlad0

Chains	
	East, on random line, bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect the E. bdy. of the township, $\frac{3}{4}$ lks. S. of the cor. secs. 13, 18, 19, and 24, heretofore described.
	Thence:
	S. 89°59' W., on true line, bet. secs. 13 and 24.
	Over flat top of mesa land, through scattered timber and undergrowth.
1.20	Top of W. rim of mesa, bears N., 1.00 ch. dist., thence E. and SW., 1.00 ch. dist., thence SE.; descend gradually over rocky W. slope.
8.00	Ravine, 120 ft. below cor., drains N.; ascend gradual E. slope.
22.00	Sandy ridge, 90 ft. above ravine, bears N. 30° W. and S. 30° E.; descend gradual NW. slope through medium dense juniper and pinon timber.
33.50	Small depression 50 ft. below ridge; drains N. 15° W.; ascend gradual E. slope.
40.04	On sandy bench land, 10 ft. above depression.
	Set an iron post, 20 ins. long, 1 in. diam., 12 ins. in the ground to solid rock, and 6 ins. in a hole drilled in the solid sandstone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	<div style="text-align: center;"> $\begin{array}{r} S13 \\ \frac{1}{4} \\ \hline S24 \end{array}$ </div>
	1937
	from which
	A pinon, 18 ins. diam., bears N. 70°30' E., 136 lks. dist., marked $\frac{1}{4}$ S13 BT.
	A juniper, 12 ins. diam., bears S. 46°30' E., 64 lks. dist., marked $\frac{1}{4}$ S24 BT.
66.20	Top of ascent on SE. rim of mesa, 100 ft. above the $\frac{1}{4}$ sec. cor., bears NE. and SW.; thence over rolling top of mesa.
69.20	Top of NW. rim of mesa, bears N. 70° E. and SW.; descend gradually over rocky W. slope.
80.08	The cor. of secs. 13, 14, 23, and 24, 110 ft. below rim of mesa.
	Land, broken and rolling, with a general southeasterly and northwesterly exposure and drainage.
	Soil, shallow loose sand and surface rock; 4th rate.
	Undergrowth, sagebrush, mountain rush, and yellow top.
	Timber, juniper and pinon.
	Fair grazing land.
	N. 0°13' E., bet. secs. 13 and 14.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

Ascend gradually along broken W. slope of rolling and broken bench land, through scattered timber and undergrowth.

9.00 Small depression near head, drains S. 60° W.; ascend SW. and S. slopes.

40.00 In small sandy depression, drains S. 20° E., 50 ft. above the sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and in a small mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S14	S13
-----	-----

1937

deposit a sandstone, 6 x 6 x 5 ins., at base of post, marked A.

No bearing trees available.

67.70 Low sandy ridge, 90 ft. above the $\frac{1}{4}$ sec. cor., bears N. 30° W. and SE.; descend gradual NE. slope.

80.00 On sandy NE. slope, 40 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. secs. 11, 12, 13, and 14, with brass cap marked

T35S	R5E
S11	S12
S14	S13

1937

from which

A juniper, 12 ins. diam., bears N. 36°30' E., 484 lks. dist., marked T35S R5E S12 BT.

A juniper, 10 ins. diam., bears S. 14° E., 281 lks. dist., marked T35S R5E S13 BT.

A juniper, 14 ins. diam., bears S. 30°30' W., 241 lks. dist., marked T35S R5E S14 BT.

No bearing tree available in sec. 11.

Land, rolling and broken; with a general southwesterly exposure and drainage.

Soil, shallow loose sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. 89°59' E., on random line, bet. secs. 12 and 13.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

SUBDIVISION, T. 55 S., R. 5 E.

Chains	
80.08	Intersect the E. bdy. of the township, 9 lks. S. of the cor. secs. 7, 12, 13, and 18, heretofore described. Thence: S. 89°55' W., on true line, bet. secs. 12 and 13. Descend gradually over rolling and broken land, through scattered timber and undergrowth.
4.00	Draw, 40 ft. below cor., drains S.; ascend
7.60	Top of ascent, 40 ft. above draw, bears N. and S.; descend
18.80	Draw, 80 ft. below top of ascent, drains SW.; ascend SE. slope.
34.60	Top of ascent, 100 ft. above draw, bears NE. and SW.; descend gradually.
40.04	On sandstone surface rock, 40 ft. below top of ascent. Set an iron post, 33 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;"> S12 $\frac{1}{4}$ ——— S13 </div> <div style="text-align: right;">1937</div> <div style="text-align: right;">from which</div> A pinon, 5 ins. diam., bears N. 75° E., 73 lks. dist., marked $\frac{1}{4}$ S12 BT. A pinon, 6 ins. diam., bears S. 3° W., 76 lks. dist., marked $\frac{1}{4}$ S13 BT.
54.00	Top of nearly vertical E. rim of gorge, known as The Gulch, bears N. and S.; descend abruptly.
55.00	Base of rim, bears N. and S.
56.00	Small stream of water in deep sandstone gorge known as The Gulch, 200 ft. below the $\frac{1}{4}$ sec. cor., drains S. 10° E. thence across bottom lands of The Gulch.
60.70	Base of nearly vertical sandstone rim, bears N. and S.; ascend abrupt W. breaks of The Gulch.
63.30	Top of nearly vertical sandstone rim, bears N. and S.; thence ascend ledgy E. slope.
64.00	Top of W. breaks of The Gulch, bears N. 30° W. and S. 30° E.; thence ascend gradual NE. slope.
80.08	The cor. of secs. 11, 12, 13, and 14, 150 ft. above stream Land, broken, with a general southerly exposure and drainage. Soil, shallow loose sand and surface rock; 4th rate. Undergrowth, sagebrush, mountain rush, and yellow top. Timber, juniper and pinon. Fair grazing land.

SUBDIVISION, T. 35 S., R. 3 E.

Chains

- N. 0°13' E., bet. secs. 11 and 12.
Descend gradually over NE. slope of rolling land, through scattered timber and undergrowth.
- 18.10 Small ravine, 20 ft. below cor., drains N. 80° E.; continue gradual descent.
- 26.90 Ravine, 130 ft. below cor., drains E.; ascend gradually over rocky SE. slope.
- 33.40 Top of ascent, 90 ft. above ravine, bears NW. and S. 10° E.; descend gradual NE. slope.
- 36.90 Top of the SW. rim of The Gulch, bears NW. and S. 30° E.; descend abruptly over broken ledges.
- 40.00 True point for the $\frac{1}{4}$ sec. cor. falls in bottom lands of The Gulch, where it is impracticable to set a cor.
- 43.30 Base of abrupt ascent over broken NE. breaks of The Gulch, bears SE., and NW., 4.00 chs. dist., thence N.
- 43.90 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock and in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 11 and 12, with brass cap marked

$\frac{1}{4}$
S11 S12
WC
1937

from which

A cottonwood, 18 ins. diam., bears S. 10°45' E., 212 lks. dist., marked WC $\frac{1}{4}$ S12 BT.

A pinon, 18 ins. diam., bears S. 15°45' W., 30 lks. dist., marked WC $\frac{1}{4}$ S11 BT.

- 70.70 Top of ascent from The Gulch, 180 ft. above stream, bears NE. and SW.; thence over rolling sandy bench land.
- 80.00 On sandy bench land.

Set an iron post, 3 ft. long, 2 ins. diam., 7 ins. in the ground to solid rock and in a large mound of stone, for cor. secs. 1, 2, 11, and 12, with brass cap marked

T35S	R5E
S2	S1
S11	S12

. 1937

from which

A pinon, 12 ins. diam., bears N. 43°15' E., 121 lks. dist., marked T35S R5E S1 BT.

A pinon, 12 ins. diam., bears S. 38°15' E., 46 lks. dist., marked T35S R5E S12 BT.

A pinon, 10 ins. diam., bears S. 87°45' W., 29 lks. dist., marked T35S R5E S11 BT.

A juniper, 10 ins. diam., bears N. 55°15' W., 55 lks. dist., marked T35 R5E S2 BT

SUBDIVISION, T. 35 S., R. 5 E.

Chains

Land, rolling and broken; with a general southeasterly exposure and drainage.

Soil, shallow loose sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, yellow top, and weeds.

Timber, juniper and pinon.

Fair grazing land.

N. 89°55' E., on random line, bet: secs. 1 and 12.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect the cor. of secs. 1, 6, 7, and 12, on the E. bdy. of the township, heretofore described.

Thence

S. 89°55' W., on true line, bet. secs. 1 and 12.

Over rolling and broken land, through scattered timber and undergrowth.

1.20 Base of gradual ascent over NE. slope of ledges, bears N. 75° W. and SE.

3.70 Top of rocky spur, 40 ft. above cor., projects NW., 2.00 chs. dist. to end; descend gradual NW. slope over ledges.

5.70 Base of ledges, 60 ft. below top of spur, bears N. 10° E. and S. 10° W.; thence over rolling bench land.

27.70 Timber becomes medium dense, bears N. and S.

40.03 On rolling bench land.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to solid rock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S1

$\frac{1}{4}$ S12

1937

from which

A pinon, 14 ins. diam., bears S. 73°30' E., 136 lks. dist., marked $\frac{1}{4}$ S12 BT.

A juniper, 20 ins. diam., bears N. 49°15' W., 78 lks. dist., marked $\frac{1}{4}$ S1 BT.

57.20 Wash, 10 lks. wide, 2 ft. deep, drains SW.

62.70 Wash near head, 20 lks. wide, 2 ft. deep, drains SW.

75.80 Low rise, bears NE. and SW.

80.06 The cor. sec. 1, 2, 11, and 12, 180 ft. below the $\frac{1}{4}$ sec. cor.

Land, rolling, with a general southwesterly exposure and drainage.

CHAINS

- Soil, shallow sand and surface rock; 4th rate.
- Undergrowth, sagebrush, mountain rash, and yellow top.
- Timber, juniper and pinon.
- Fair grazing land.
- N. 0°13' E., on random line, bet. secs. 1 and 2.
- 40.00 Set temp. $\frac{1}{2}$ sec. cor.
- 73.10 Intersect the cor. of secs. 1, 2, 35, and 36, on the N. hdy. of the township, an iron post, 2 ins. diam., set, marked, and witnessed, as described in the official record of the survey of T. 34 S., R. 5 E., Group 119, Utah.
- Thence:
- S. 0°13' W., on true line, bet. secs. 1 and 2.
- Over rolling and broken bench land, through scattered timber and undergrowth.
- 4.60 Wash, 10 lks. wide, 3 ft. deep, drains S. 60° W., 2.00 chs. dist., thence S.
- 7.20 Head of wash, 10 lks. wide, 2 ft. deep, drains SW.
- 19.20 Rocky point on edge of bench, projects SW.
- 33.10 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock and in a large mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked
- 1

S2 | S1

1937

from which

A juniper, 12 ins. diam., bears S. 44° E., 90 lks. dist., marked $\frac{1}{2}$ S1 BT.

A pinon, 8 ins. diam., bears N. 20°45' W., 63 lks. dist., marked $\frac{1}{2}$ S2 BT.
- 39.80 Wash, 20 lks. wide, 2 ft. deep, drains S. 15° W.
- 47.50 Top of gradual descent over SW. slope, bears NE. and SW.
- 50.00 Stock trail, bears NE. and SW.
- 54.30 Ravine, 30 ft. below top of descent, drains SW.
- 62.80 Wash, 10 lks. wide, 2 ft. deep, drains SW., 3.00 chs. dist., thence W., 2.00 chs., thence S.
- 69.60 Head of ravine, drains S. 80° W.; ascend gradually.
- 73.10 The cor. of secs. 1, 2, 11, and 12, 60 ft. above head of ravine.
- Land, rolling, with a general southwesterly exposure and drainage.

SUBDIVISION, T. 55 S., R. 5 E.

Chains

Soil, shallow loose sand and surface rock; moderate. Undergrowth, sagebrush, mountain rush, and yellow top. Timber, juniper and pinon. Fair grazing land.

From the standard cor. secs. 34 and 35, on the S. bdy. of the township, heretofore described.

N. 0°13' E., bet. secs. 34 and 35.

Over rolling bench land, through scattered timber and undergrowth.

9.60 Top of S. rim of deep gorge with high vertical walls, bears N. 80° E. and S. 80° W.; descend abruptly.

11.60 Bottom of gorge, 340 ft. deep, drains S. 80° E.; ascend abrupt S. slope of vertical sandstone ledge, 150 ft. high, thence over barren sandstone rock.

16.90 Slope changes from a S. to a SW. slope.

40.00 Set an iron post, 24 ins. long, 1/2 in. diam., 12 ins. in a hole drilled in the solid sandstone and in a small mound of stone, for 1/4 sec. cor., with brass cap marked

S34 S35

1937

from which

A pinon, 7 ins. diam., bears N. 81° E., 154 lks. dist., marked 1/4 S35 BT.

No other suitable bearing trees available.

Cor. set on steep SW. slope of sandstone surface rock, 470 ft. above bottom of gorge.

52.50 Top of rim of King's Mesa, 190 ft. above the 1/4 sec. cor., bears N. 35° W. and S. 12° E.; descend gradually over rolling top of mesa through medium dense juniper and pinon.

78.70 Wash, 6 lks. wide, 1 ft. deep, on top of mesa, drains N. 70° E.

80.00 On rolling top of King's Mesa, 70 ft. below rim.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. secs. 26, 27, 34, and 35, with brass cap marked

T353, N35
S27 S26
S34 S35

1937

from which

SUBDIVISION OF, T. 35 S., R. 5 E.

Chains

A juniper, 12 ins. diam., bears N. 67°30' E., 47 lks. dist., marked T35S R5E S26 BT.

A pinon, 12 ins. diam., bears S. 69°15' E., 170 lks. dist., marked T35S R5E S35 BT.

A juniper, 12 ins. diam., bears S. 13° W., 14 lks. dist., marked T35S R5E S34 BT.

A juniper, 20 ins. diam., bears N. 31° W., 149 lks. dist., marked T35S R5E S27 BT.

Land, rolling and broken with a general southwesterly exposure and drainage.

Soil, shallow loose sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

East, on random line, bet. secs. 26 and 35.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect the N. and S. line, 3 lks. N. of the cor. secs. 25, 26, 35, and 36.

Thence:

N. 89°59' W., on true line, bet. secs. 26 and 35.

Over rolling bench land, through scattered timber and undergrowth.

6.00 Leave bench land, bears N. and S.; thence ascend SE. slope of surface rock.

10.80 Top of sandstone spur, 100 ft. above cor., slopes S.; descend gradually along S. slope.

20.00 Head of draw, 60 ft. below spur, drains SE.; ascend gradual NE. slope of King's Mesa.

39.98 On broken NE. slope, 520 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S26

$\frac{1}{4}$ ———
S35

1937

from which

A pinon, 7 ins. diam., bears N. 61° E., 5 lks. dist., marked $\frac{1}{4}$ S26 BT.

A pinon, 5 ins. diam., bears S. 7° W., 48 lks. dist., marked $\frac{1}{4}$ S35 BT.

43.40 Enter top of King's Mesa, 30 ft. above the $\frac{1}{4}$ sec. cor., bears N. and SW.; thence over rolling top of mesa.

55.00 Ravine, drains NE.

SUBDIVISION, T. 55 S., R. 5 E.

Chains

251540

79.96 The cor. of secs. 26, 27, 34, and 35.
 Land, rolling and broken, with a general northeasterly exposure and drainage.
 Soil, shallow loose sand and surface rock; 4th rate.
 Undergrowth, sagebrush, mountain rush, and yellow top.
 Timber, juniper and pinon.
 Fair grazing land.

N. 0°13' E., bet. secs. 26 and 27.

Over rolling top of King's Mesa, through scattered timber and undergrowth.

15.60 Wash, 10 lks. wide, 3 ft. deep, drains N. 80° E.

29.00 Wash, 10 lks. wide, 1 ft. deep, drains NE.

34.20 Begin gradual descent over rolling NW. slope, bears NE. and SW.

36.20 Wash, 10 lks. wide, 2 ft. deep, drains N. 80° W. from the SE.

40.00 On rolling top of King's Mesa, 120 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

†
 S27 | S26

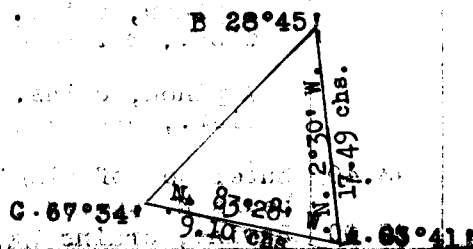
1937

from which

A juniper, 10 ins. diam., bears N. 70°45' E., 19 lks. dist., marked $\frac{1}{4}$ S26 BT.

A juniper, 8 ins. diam., bears N. 40° W., 61 lks. dist., marked $\frac{1}{4}$ S27 BT.

40.90 Top of N. rim of King's Mesa, bears W. and S. 80° E.; the line to the N. of this point crosses a deep gorge and high sandstone points make it impossible to project my true line to the N. of this point, I therefore triangulate on a traverse line as follows. Erect flag A at the 40.90 chs. point, and flag B. at a point N. 2°30' W. from A. From A, survey base line AC, N. 83°28' W., 9.10 chs. dist. From C, flag B subtends an angle of 67°34' from A. From B, flag C subtends an angle of 28°45' from A. Vertical angle from A to B is minus 10°15'. All angles checked by repetition and base line double chained.



Chains

Distance on line, 40.90 chs.

Distance by triangulation on traverse line, 17.49 chs. which is a northing of 17.47 chs. and a point West, 83 lks. from true line.

45.90 Approximate distance; bottom of deep narrow gorge with high vertical walls, 250 ft. below rim of mesa, drains N. 20° W.; ascend steep abrupt ledgy W. slope.

58.37 To point B. of triangulation and a point, 83 lks. W. of true line, on top of high rocky point, 220 ft. below rim of mesa, slopes W. Thence offset East, 83 lks. dist. to true line; descend abrupt ledgy NW. slope of S. breaks of deep gulch.

70.50 Bottom of deep sandstone gulch, 450 ft. below high rocky point, drains E., about 7.00 chs. dist. to its junction with the Escalante River; ascend steep ledges on SE. slope.

80.00 On broken ledgy SE. slope, 120 ft. above gulch.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and in a large mound of stone, for cor. secs. 22, 23, 26, and 27, with brass cap marked

T35S	R5E
S22	S23
S27	S26

1935

from which

A pinon, 6 ins. diam., bears N. 34°30' E., 75 lks. dist., marked T35S R5E S23 PT.

A pinon, 12 ins. diam., bears S. 28°15' E., 170 lks. dist., marked T35S R5E S26 BT.

A juniper, 6 ins. diam., bears S. 44°45' W., 70 lks. dist., marked T35S R5E S27 BT.

A pinon, 12 ins. diam., bears N. 25° W., 126 lks. dist., marked T35S R5E S22 BT.

Land, broken ledges and rolling top of mesa, with a general northeasterly exposure and drainage.

Soil, shallow sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

S. 89°59' E., on random line, bet. secs. 23 and 26.

6.10 The line to the E. of this point, crosses the Escalante River, three times, which flows through a deep gorge with high vertical walls over which I am unable to chain, I therefore triangulate as follows. Erect flag A at the cor. secs. 22, 23, 26, and 27, and flag B on line to the E. From A, survey base line AC, S. 0°13' W., 20.57 chs. dist. From C, flag B subtends an angle of 61°37' from A. From B, flag C subtends an angle of 28°11' from A. Vertical angle from A. to B. is minus 1°17'. All angles checked

SUBDIVISION, R. 35 S. 41 R. 6 E.

Chains

by repetition and base line double chained.

A 90°12'

S. 89°59' E.

B 28°11'

58.32 chs.

S. 0°13' W.
20.57 chs.

C 61°37'

- Distance by triangulation 58.32 chs.
- Distance by return measurement 4.98 chs.
- 34.00 chs.

38.32 To point B of triangulation.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.92 Intersect the cor. secs. 23, 24, 25, and 26.

Thence:

N. 89°59' W., on true line, bet. secs. 23 and 26.

Over rolling sandy bench land, through scattered timber and undergrowth.

9.00 Top of very gradual descent over NW. slope, bears NE. and SW.

23.00 Small depression, drains S.; ascend gradually.

32.20 Top of ascent, bears N. and SW.; descend gradually over SW. slope.

39.96 On sandstone surface rock, mark

Set an iron post, 30 ins. long, 1 in. diam., 14 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

323

 $\frac{1}{4}$

S26

1937

No suitable bearing trees available.

45.60 To point B of triangulation at top of E. rim of the Escalante River, bears NW. and SE.; thence descend over vertical ledges into river.

48.00 Approximate distance; the Escalante River, stream 50 lks. wide, 2 ft. deep, in bottom of deep canyon rimmed with vertical walls 200 ft. high, flows SE.; thence along inaccessible S. breaks of river.

57.00 Approximate distance; recross river, flows NE.; ascend inaccessible SE. face of sandstone point, river

68.00 Approximate distance; top of sandstone point, 100 ft. above river, slopes S., about 4.00 chs. dist. to end; descend abrupt SW. face of point.

71.00 Approximate distance; recross river, 100 ft. below point, flows S.; ascend abrupt W. breaks of river.

Chains

33.82 Top of W. rim of river, bears N. and S.; thence over broken land.

79.92 The cor. of secs. 22, 23, 26, and 27.

Land, rolling bench land and inaccessible rims of the Escalante River.

Soil, shallow loose sand and sandstone ledges and surface rock; 4th rate.

Undergrowth, sagebrush, yellow top, and mountain rush.

Timber, juniper and pinon; cottonwood in places along the bottom lands of the Escalante River.

Fair grazing land.

N. 0°13' E., bet. secs. 22 and 23.

Ascend gradually along E. slope of broken mesa land, through scattered timber and undergrowth.

2.80 Top of ascent on E. slope, 10 ft. above cor., bears W. and slopes E.; descend gradually along E. slope.

13.00 Wash, 10 lks. wide, 3 ft. deep, drains E.; ascend gradual SE. slope.

22.20 Top of rocky point, 130 ft. above wash, projects N. 60° E.; descend gradual NE. slope.

25.90 Sandstone gorge, 150 ft. deep, drains N. 85° E.; thence across broken bench land.

27.60 Low rocky spur, projects N. 80° E.; descend gradual NE. slope.

32.40 Base of abrupt ascent over SE. slope of sandstone surface rock, bears N. 80° E. and S. 80° W.

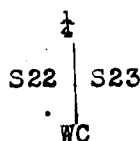
35.30 The E. point of high rocky spur, 100 ft. above base of ascent; descend gradually along E. slope.

40.00 True point for the $\frac{1}{4}$ sec. cor. secs. 22 and 23, falls on NE. face of sandstone ledge where it is impracticable to set a cor.

41.56 Wash at base of ledgy descent, 120 ft. below top of rocky point, drains SE.; thence over sandy bench land.

42.26 On sandy bench land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 22 and 23, with brass cap marked



1937

from which

A pinon, 18 ins. diam., bears S. 64°30' E., 26 lks. dist., marked WC $\frac{1}{4}$ S23 BT.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

an 1880

A juniper, 14 ins. diam., bears N. 51° 13' W., 378 lks. dist., marked WC $\frac{1}{4}$ S22 BT.

- 52.70 Head of sandstone gulch, drains N. 80° E., about 7.00 chs. dist. to its junction with the Escalante River; continue over rolling bench land.
- 56.00 Top of low rocky ridge, bears N. 80° E. and S. 80° W.; descend abrupt rocky N. slope.
- 57.40 Top of the right rim of the Escalante River, bears NE. and SW.; descend abruptly over breaks of river.
- 58.90 The Escalante River, stream of good water, 100 lks. wide, 1 ft. deep, in bottom of deep canyon, 100 ft. below ridge, flows NE.; ascend abrupt N. rim of river.
- 61.40 Top of rim of river, 120 ft. above bottom, bears NE. and SW.; ascend gradual SE. slope.
- 66.90 Top of ascent from river, 140 ft. above stream, bears NW. and SE.; descend gradual NE. slope.
- 71.50 Gulch near head, 70 ft. below top of ascent, drains E., about 8.00 chs. dist. to its junction with the Escalante River; ascend gradual SE. slope.
- 80.00 On gradual SE. slope, 30 ft. above head of gulch.

Set an iron post, 30 ins. long, 2 ins. diam., 12 ins. in hole drilled in the solid sandstone and in a large mound of stone, for cor. secs. 14, 15, 22, and 23, with brass cap marked

T35S	R5E
S15	S14
S22	S23

1937

from which

A pinon, 12 ins. diam., bears N. 34° 15' E., 117 lks. dist., marked T35S R5E S14 BT.

A juniper, 10 ins. diam., bears S. 50° E., 123 lks. dist., marked T35S R5E S23 BT.

A point on the SE. slope of surface rock, marked X B0, bears N. 52° W., 14 lks. dist.

No bearing tree available. in sec. 22.

Land, broken with a general northeasterly exposure and drainage.

Soil, shallow loose sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

S. 89° 59' E., on random line, bet. secs. 14 and 23.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

- 79.90 Intersect the cor. secs. 13, 14, 23, and 24.
Thence:
N. 89°59' W., on true line, bet. secs. 14 and 23.
Over rolling and broken bench land, through scattered timber and undergrowth.
- 8.30 Wash, 10 lks. wide, 2 ft. deep, drains NW., about 5.00 chs. dist., thence SW.
- 14.80 Recross wash, drains S. 50° W., 50 lks. dist., thence NW.
- 20.80 Wash, 10 lks. wide, 3 ft. deep, drains N. 10° W.; junction of last wash with this wash, bears S., 10 lks. dist.
- 24.40 Low sandy ridge, bears NE. and SW.; descend gradual NW. slope.
- 30.90 Ravine, 70 ft. below ridge, drains SW.; ascend rocky SE. slope.
- 39.95 On SE. slope, 50 ft. above ravine.
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
- S14
 $\frac{1}{4}$ ———
S23

1937
- from which
- A juniper limb, 6 ins. diam.; bears S. 46° E., 62 lks. dist., marked $\frac{1}{4}$ S23 BT.
- A pinon, 16 ins. diam., bears N. 5°45' W., 176 lks. dist., marked $\frac{1}{4}$ S14 BT.
- 41.80 Rocky point of spur, 20 ft. above cor., projects SE., 50 lks. dist. to end; descend gradually.
- 44.40 Ravine, 15 ft. deep, drains SW.
- 46.00 Begin gradual descent over sandstone bench.
- 61.70 From this point, the bottom of the Escalante River, bears South, about 5.00 chs. dist.
- 67.40 Wash, 10 lks. wide, 1 ft. deep, drains S.; 2.50 chs. dist. to the N. rim of the Escalante River; ascend gradually over rocky E. slope.
- 71.00 Top of ascent, 50 ft. above wash, bears N. and S.; descend gradual SW. slope.
- 77.80 Wash, 10 lks. wide, 1 ft. deep, drains S., about 8.00 chs. dist., thence E., about 4.00 chs. dist. to its junction with the Escalante River; ascend gradual rocky E. slope.
- 79.90 The cor. secs. 14, 15, 22, and 23, 20 ft. above wash.
Land, broken, with a general southerly exposure and drainage.
Soil, shallow loose sand and surface rock; 4th rate.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

Undergrowth, sagebrush, mountain rush, and yellow top.
Timber, juniper and pinon.
Fair grazing land.

N. 0°13' E., bet. secs. 14 and 15.

Ascend gradual S. slope of rolling and broken bench land, through scattered timber and undergrowth.

- 8.80 Small spur, 70 ft. above cor., projects S. 60° W., about 1.00 chs. dist. to end; descend gradual W. slope.
- 13.30 Ravine, 10 ft. below spur, drains S. 60° W.; ascend gradual S. slope.
- 19.90 Spur, 70 ft. above ravine, projects SW.; thence across rolling rocky top of mesa.
- 25.80 Head of sandstone gorge, 30 lks. wide, 6 ft. deep, drains S. 50° W.
- 32.10 Top of ascent on S. slope, bears NE. and SW.; descend steep N. slope.
- 34.80 Base of descent, 140 ft. below top of rise, bears NE. and SW.; thence over sagebrush flat.
- 38.80 Wash, 10 lks. wide, 4 ft. deep, drains N. 10° E., about 3.00 chs. dist., thence northwesterly.
- 40.00 On sandy sagebrush flat.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S15 S14

1937

from which

A pinon, 16 ins. diam., bears S. 79°15' E., 85 lks. dist., marked $\frac{1}{4}$ S14 BT.

A juniper, 18 ins. diam., bears N. 43° W., 10 lks. dist., marked $\frac{1}{4}$ S15 BT.

- 42.20 Recross wash, drains N. 60° W.
- 48.80 Wash, 15 lks. wide, 1 ft. deep, drains S. 60° W.
- 52.40 Wash, 30 lks. wide, 3 ft. deep, drains SW.
- 69.30 Base of abrupt ascent over steep ledge S. slope, bears E. and W.
- 76.00 Top of ascent on ledges, 300 ft. above the $\frac{1}{4}$ sec. cor., bears N. 80° E. and S. 80° W.; descend gradually along steep E. slope.
- 80.00 On steep E. slope, 80 ft. below top of ascent.

Chains

Set an iron post, 24 ins. long, 3 ins. diam., 12 ins. in a hole drilled in the solid sandstone, for cor. secs. 10, 11, 14, and 15, with brass cap marked

T35S R5E

S10 S11

S15 S14

1937

from which

A point on the E. face of a sandstone ledge, marked X-B0, bears S. 23° W., 24 lks. dist.

No other suitable accessories available.

Land, rolling and broken, with a general southwesterly exposure and drainage.

Soil, shallow sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

S. 89°59' E., on random line, bet. secs. 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect the N. and S. line, 9 lks. N. of the cor. secs. 11, 12, 13, and 14.

Thence:

N. 89°55' W., on true line, bet. secs. 11 and 14.

Ascend rolling E. slope of sandy ridge, through scattered timber and undergrowth.

5.70 Top of sandy ridge, 30 ft. above cor., bears NE. and SW.; descend gradually.

22.10 Head of shallow draw, drains SW.

30.00 Wash, 10 lks. wide, 1 ft. deep, drains S. 50° W.

39.98 On rolling sandy bench land, 100 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S11.

S14

1937

from which

A pinon, 14 ins. diam., bears N. 20° E., 52 lks. dist., marked $\frac{1}{4}$ S11 BT.

SUBDIVISION, T. 36 S., R. 5 E.

S11 BT

Chains

A juniper, 16 ins. diam., bears S. $60^{\circ}45'$ E., 39 lks. dist., marked $\frac{1}{4}$ S14 BT.

41.00 Leave timber, bears N. and S.

66.70 Enter scattered timber at edge of wash, 50 lks. wide, 1 ft. deep, drains S.

72.60 Base of abrupt ascent over steep rocky E. slope, bears N. and S.

79.96 The cor. of secs. 10, 11, 14, and 15, 180 ft. above base of ascent.

Land, rolling and broken, with a general southerly exposure and drainage.

Soil, shallow sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. $0^{\circ}13'$ E., bet. secs. 10 and 11.

Ascend abruptly over steep ledgy S. slope, through scattered timber and undergrowth.

8.60 Spur, 180 ft. above cor., projects E.; descend gradually along steep rocky E. slope.

32.40 Ravine, 290 ft. below spur, drains E.; ascend gradually along E. slope of white sandstone ledges.

40.00 On E. slope of white sandstone ledges, 40 ft. above ravine

Set an iron post, 28 ins. long, 1 in. diam., 14 ins. in a hole drilled in the solid sandstone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S10 S11

1937

from which

A juniper, 6 ins. diam., bears N. $36^{\circ}15'$ E., 167 lks. dist., marked $\frac{1}{4}$ S11 BT.

A point on the E. face of a sandstone ledge, marked X B0, bears S. 63° W., 35 lks. dist.

66.30 Top of ascent on E. slope, 100 ft. above the $\frac{1}{4}$ sec. cor., bears NW. and SE.; descend gradually along E. slope.

75.30 Leave rocky E. slope, bears E. and W.; thence across sandy bench land.

80.00 On sandy bench land, 210 ft. above the $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. secs. 2, 3, 10, and 11, with brass cap marked

SUBDIVISION, T. 35 S., R. 5 E.

Chains

T35S	R5E
S3	S2
S10	S11

1937

from which

A juniper, 16 ins. diam., bears S. 42°30' E., 73 lks. dist., marked T35S R5E S11 BT.

A juniper, 10 ins. diam., bears N. 63°30' W., 287 lks. dist., marked T35S R5E S3 BT.

No other bearing trees available.

Land, rolling and broken, with a general easterly exposure and drainage.

Soil, shallow sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

S. 89°55' E., on random line, bet. secs. 2 and 11.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect the N. and S. line, 5 lks. S. of the cor. secs. 1, 2, 11; and 12.

Thence:

N. 89°57' W., on true line, bet. secs. 2 and 11.

Descend gradual W. slope of broken bench land, through scattered timber and undergrowth.

10.00 Ravine, 90 ft. below cor., drains SW.; ascend gradual SE. slope.

13.90 Small frame cabin, bears S., 2.00 chs. dist.

15.00 Saddle in spur, 70 ft. above ravine, projects N.; stock trail on top of spur, bears N. and S.; descend gradual W. slope.

16.00 Top of E. rim of The Gulch, bears N. 80° W. and S. 50° E.; descend abruptly over ledges.

17.80 Stream of good water, 10 lks. wide, 4 ins. deep, in bottom of The Gulch, 90 ft. below spur, flows SE.; ascend broken W. breaks of The Gulch.

28.30 Top of the W. rim of The Gulch, 100 ft. above stream, bears N. 80° W. and S. 80° E.; ascend gradually.

33.20 Small ravine, drains N. 30° E.

40.01 On rolling bench land, 80 ft. above W. rim of The Gulch.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION, T. 35 S., R. 5 E.

entered

Chains

$$\frac{1}{4} \frac{S2}{S11}$$

1937

from which

A pinon, 8 ins. diam., bears N. 83°15' W., 296 lks.
dist., marked $\frac{1}{4}$ S2 BT.

A pinon, 16 ins. diam., bears S. 21° W., 150 lks.
dist., marked $\frac{1}{4}$ S11 BT.

Thence over rolling bench land.

68.00 Wash, 20 lks. wide, 4 ft. deep, drains S. 20° W.

80.02 The cor. secs. 2, 3, 10, and 11, 190 ft. above the $\frac{1}{4}$ sec. cor.

Land, rolling and broken, with a general southerly exposure and drainage.

Soil, shallow sand and sandstone surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. 0°13' E.; on random line, bet. secs. 2 and 3.

39.31 Set temp. witness cor. to the $\frac{1}{4}$ sec. cor. secs. 2 and 3.

73.09 Intersect the N. bdy. of the township, 2 lks. E. of the cor. secs. 2, 3, 34, and 35, an iron post, 2 ins. diam., set, marked, and witnessed, as described in the official record of the survey of T. 34 S., R. 5 E., Group 119, Utah

Thence:

S. 0°12' W., on true line, bet. secs. 2 and 3.

Ascend gradually over rolling bench land, through scattered timber and undergrowth.

11.90 Top of ascent, bears NE. and SW.; descend gradually.

18.40 Small ravine, near head, 130 ft. below top of ascent, drains S. 80° E.; ascend gradually.

23.80 Stock trail, bears N. 60° E. and S. 60° W.

32.40 Wash, 100 lks. wide, 3 ft. deep, in bottom of sandstone gorge, drains N. 60° E.; ascend broken W. rim of gorge.

33.09 True point for the $\frac{1}{4}$ sec. cor. secs. 2 and 3, falls on face of sandstone ledges, where it is impracticable to set a cor.

33.78 At top of rim of gorge, 90 ft. above bottom, bears N. 60° E. and S. 60° W.

Set an iron post, 24 ins. long, 1 in. diam., 18 ins. in a hole drilled in the solid sandstone, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 2 and 3, with brass cap marked

Chains

W C
 $\frac{1}{4}$
 S3 | S2
 1937

from which

A pinon, 10 ins. diam., bears S. 65° E., 46 lks.
 dist., marked WC $\frac{1}{4}$ S2 BT.

A pinon, 8 ins. diam., bears S. 25°30' W., 92 lks.
 dist., marked WC $\frac{1}{4}$ S3 BT.

Thence ascend gradually over rolling N. slope of bench
 land, through very scattered timber.

73.09 The cor. secs. 2, 3, 10, and 11, 70 ft. above the witness
 cor. to the $\frac{1}{4}$ sec. cor.

Land, broken and rolling, with a general northerly and
 southeasterly exposure and drainage.

Soil, shallow sand and sandstone surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

From the standard cor. secs. 33 and 34, on the S. bdy. of
 the township, heretofore described.

N. 0°12' E., bet. secs. 33 and 34.

Over rolling bench land; through scattered to medium dense
 timber and scattered undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
 ground; for $\frac{1}{4}$ sec. cor.; with brass cap marked

$\frac{1}{4}$
 S33 | S34
 1937

from which

A juniper, 12 ins. diam., bears N. 13°15' E., 153 lks.
 dist., marked $\frac{1}{4}$ S34 BT.

A juniper, 10 ins. diam., bears N. 84°15' W., 211 lks.
 dist., marked $\frac{1}{4}$ S33 BT.

80.00 On rolling bench land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the
 ground, for cor. secs. 27, 28, 33, and 34, with brass cap
 marked

SUBDIVISION, T. 33 N. R. 20 E.

Chains

51125

T35S	R5E
S28	S27
S33	S34

1937

from which

A juniper, 14 ins. diam., bears N. 55° E., 208 lks. dist., marked T35S R5E S27 BT.

A juniper, 9 ins. diam., bears S. 42° 15' E., 252 lks. dist., marked T35S R5E S34 BT.

A juniper, 10 ins. diam., bears S. 4° 15' W., 299 lks. dist., marked T35S R5E S33 BT.

A juniper, 20 ins. diam., bears N. 56° 30' W., 223 lks. dist., marked T35S R5E S28 BT.

Land, rolling top of sandy bench, with outcroppings of sandstone.

Soil, shallow loose sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

East, on random line, bet. secs. 27 and 34.

40.00 Set temp. 2 sec. cor.

80.00 Intersect the cor. secs. 26, 27, 34, and 35.

Thence:

West, on true line, bet. secs. 27 and 34.

Over rolling top of King's Mesa, through medium dense timber, and scattered undergrowth.

15.50 Top of W. rim of King's Mesa, bears NW. and SE.; descend steep rocky W. slope.

30.00 Base of abrupt descent from mesa, 340 ft. below rim, bears N. and S.; thence descend gradual W. slope.

40.00 On gradual W. slope, 60 ft. below base of mesa.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock and in a large mound of stone, for 1/4 sec. cor., with brass cap marked

S27

S34

1937

from which

A pinon, 10 ins. diam., bears S. 44° 30' E., 109 lks. dist., marked 1/4 S34 BT.

Chains

A pinon, 8 ins. diam., bears N. 58° W., 109 lks. dist., marked $\frac{1}{2}$ S27 BT.

A point on sandstone ledge, marked X B0, bears N. 28°30' E., 28 lks. dist.

49.60 Bottom of sandstone gorge, 70 ft. deep, drains N.; ascend gradual E. slope.

57.50 Bottom of sandstone gorge, 70 ft. deep, drains NE.

77.10 Top of E. rim of Spencer Bench 210 ft. above the $\frac{1}{4}$ sec. cor., bears N. and S.; thence over rolling land.

80.00 The cor. of secs. 27, 28, 33, and 34.

Land, rolling and broken, with a general easterly and westerly exposure and drainage.

Soil, shallow sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. 0°12' E., bet. secs. 27 and 28.

Ascend gradually over rolling top of Spencer Bench, through scattered timber and undergrowth.

21.90 Top of gradual ascent on E. slope, bears E. and W.; descend gradually along rolling and broken E. slope.

32.60 Head of narrow sandstone ravine, 70 ft. below top of ascent, drains N. 80° E.; ascend gradual S. slope.

40.00 On gradual S. slope.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{2}$
S28 | S27

1937

from which

A pinon, 7 ins. diam., bears S. 89° E., 232 lks. dist., marked $\frac{1}{2}$ S27 BT.

A pinon, 5 ins. diam., bears N. 71°30' W., 30 lks. dist., marked $\frac{1}{2}$ S28 BT.

49.10 Top of ascent, 60 ft. above the $\frac{1}{4}$ sec. cor., bears E. and W.; descend gradually along rolling E. slope.

69.00 Ravine, 130 ft. below top of ascent, drains S. 20° E.

74.60 Ravine, drains S. 20° E.; ascend gradually over rocky SW. slope.

80.00 On 3rd. slope of sandstone surface rock.

SUBDIVISION, T₃₅S R₅E.

Chains

salado

Set an iron post, 30 ins. long, 2 1/2 ins. diam. 12 ins. in hole drilled in the solid sandstone and in a large mound of stone, for cor. secs. 21, 22, 27, and 28, with brass cap marked

T35S R5E

S21 S22

S28 S27

1937

A pinon, 10 ins. diam., bears N. 66°30' E., 132 lks. dist., marked T35S R5E S22 BT.

A juniper, 18 ins. diam., bears S. 23°45' E., 244 lks. dist., marked T35S R5E S27 BT.

A juniper, 6 ins. diam., bears S. 11°30' W., 166 lks. dist., marked T35S R5E S26 BT.

A pinon, 6 ins. diam., bears N. 9°45' W., 89 lks. dist., marked T35S R5E S21 BT.

From this cor., a point on sandstone knoll, bears S. 51° 30' W., about 10.00 chs. dist.

Land, broken and rolling, with a general easterly exposure and drainage.

Soil, shallow sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

East, on random line, bet. secs. 22 and 27.

40.00 Set temp. 1/4 sec. cor.

58.55 The E. rim of King's Mesa over which I am unable to chain, I therefore triangulate as follows. Erect flag A at this point and flag B on line E. From B, survey base line BC, S. 0°13' W., 39.13 chs. dist. From C, flag A subtends an angle of 28°48' from B. From A, flag C subtends an angle of 61°25' from B. Vertical angle from A to B is minus 22°15'. All angles checked by repetition.

A 61°25' East B 89°47'

21.47 chs.

39.13 chs.

39.13 chs.

39.13 chs.

39.13 chs.

39.13 chs.

39.13 chs.

39.13 chs.

Distance on line to and w of 58.55 chs. salado 00.00

Distance by triangulation 21.47 chs.

Distance by triangulation 21.47 chs. salado 00.00

80.02 To point B. of triangulation at a point 2 lks. N. of the cor. secs. 22, 23, 26, and 27. To equal 00.00

SUBDIVISION, T. 35 S., R. 5 E.

Chains

Thence:

N. 89°59' W., on true line, bet. secs. 22 and 27.

Ascend abrupt E. breaks of King's Mesa, over inaccessible sandstone ledges, through scattered timber and undergrowth.

21.47 Top of E. rim of King's Mesa, 590 ft. above cor., bears N. and S. 20° W.; thence ascend gradual E. slope over top of mesa.

26.20 Top of rocky spur, 80 ft. above rim of mesa, projects SE.; descend gradual SW. slope.

40.01 On broken mesa land, 30 ft. below spur.

Set an iron post, 28 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone and in a mound of stone, for sec. cor., with brass cap marked

S22
 $\frac{1}{2}$ —
 S27

1937

from which

A pinon, 6 ins. diam., bears N. 37°15' E., 71 lks. dist., marked $\frac{1}{2}$ S22 BT.

A pinon, 6 ins. diam., bears S. 56°15' E., 138 lks. dist., marked $\frac{1}{2}$ S27 BT.

41.50 Bottom of deep narrow sandstone gorge, 400 ft. deep; drains SE.

58.70 Top of ascent on mesa, 120 ft. above the $\frac{1}{2}$ sec. cor., bears NW. and SE.; descend gradual SW. slope.

65.80 Top of W. rim of King's Mesa, 50 ft. below top of ascent, bears N. 30° E. and S. 50° W.; descend abrupt W. breaks of mesa.

78.00 Base of ledges, bears N. and S.; descend gradually.

80.02 The cor. secs. 21, 22, 27, and 28, 430 ft. below rim of mesa.

Land, broken, with a general easterly and westerly exposure and drainage.

Soil, shallow sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. 0°12' E., bet. secs. 21 and 22.

Ascend gradual S. slope of broken top of bench land, through scattered timber and undergrowth.

2.80 Sandstone spur, 20 ft. above cor., projects S. 30° E.; descend gradual NE. slope.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

- 4.90 Ravine, 20 ft. below spur, drains N. 30° W.; ascend rocky SW. slope.
- 12.70 Top of ascent, 60 ft. above ravine, bears E. and W.; descend gradually along W. slope.
- 24.10 Small ravine near head, drains N. 30° W.; thence along ledgy S. face of mesa near base.
- 35.90 Base of ledges, 90 ft. below top of ascent, bears SE. and W.; thence over flat bench land.
- 40.00 On top of N. rim of bench.

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S21 | S22

1937

from which

A pinon, 10 ins. diam., bears S. 25°45' E., 145 lks. dist., marked $\frac{1}{4}$ S22 BT.

A juniper, 6 ins. diam., bears N. 46°45' W., 35 lks. dist., marked $\frac{1}{4}$ S21 BT.

Thence descend gradually over rocky N. slope.

- 42.20 Small gulch, drains N. 40° W.; continue descent along broken W. slope.
- 51.40 Base of high sandstone ledge, 70 ft. below the $\frac{1}{4}$ sec. cor. bears N. 60° W. and S. 60° E.; ascend abrupt S. slope.
- 53.90 Top of ledge, 160 ft. above base, bears E. and W.; descend abrupt N. face of ledge.
- 56.50 Base of ledge, 70 ft. below top, bears E. and W.; thence across flat bench land.
- 63.30 Bottom of deep narrow gorge, 100 ft. deep, drains N. 30° W. ascend abrupt SE. slope.
- 66.00 Top of high rocky point, 90 ft. above gorge, projects NW.; descend abrupt NE. slope.
- 71.90 Top of the S. rim of the Escalante River, 220 ft. below rocky point, bears N. 70° E. and S. 70° W.; descend abruptly over high nearly vertical ledge.
- 72.90 Base of ledge, 90 ft. below top, bears N. 70° E. and S. 70° W.; thence across bottom lands of the Escalante River.
- 73.20 The Escalante River, stream 100 lks. wide, 1 $\frac{1}{2}$ ft. deep, flows N. 70° E.; continue across bottom lands of river.
- 76.60 Base of sandstone point on N. side of river, bears N. 70° E. and S. 70° W.; ascend S. face of point.
- 77.30 Top of sandstone point bet. Boulder Creek and the Escalante River, 60 ft. above stream, projects N. 70° E., 1.00 ch. dist. to end; descend abruptly.

SUBDIVISION, T. 36 N., R. 3 E.

Chains

79.50 Boulder Creek, stream of good clear water, 30 lbs. wide, 1 ft. deep, 60 ft. below sandstone point, drains S. 75° E., about 2.00 chs. dist. to its junction with the Escalante River.

80.00 True point for the cor. secs. 15, 16, 21, and 22, falls in channel of Boulder Creek, were it is impossible to set a permanent cor.

80.58 On sandstone surface rock, 80 ft. above Boulder Creek.

Set an iron post, 30 ins. long, 3 ins. diam., 12 ins. in a hole drilled in the solid sandstone and in a small mound of stone, for witness cor. to the cor. secs. 15, 16, 21, and 22, with brass cap marked

T358 R5E

S16 S15

S21 S22

WC

1937

from which

A juniper, 4 ins. diam., bears N. 75°15' E., 30 lbs. dist., marked WC T358 R5E S15 BT.

A juniper, 5 ins. diam., bears N. 66°30' E., 65 lbs. dist., marked PT. Tree too scrubby for other marks.

No other suitable bearing trees available.

Land, broken, with a general northerly exposure and drainage.

Soil, shallow sand and surface rock; 4th rate.

Undergrowth, sage and black brush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

From the true point for the cor. secs. 15, 16, 21, and 22.

S. 89°59' E., on random line, bet. secs. 15 and 22.

40.00 Set temp. & sec. cor.

80.00 Intersect the N. and S. line, 9 lbs. N. of the cor. secs. 14, 15, 22, and 23.

Thence:

N. 89°55' W., on true line, bet. secs. 15 and 22.

Ascend gradual E. slope of rolling bench land, through scattered timber and undergrowth.

1.90 Top of ascent, 20 ft. above cor., bears N. and S.; thence across broken bench land.

6.30 Wash, 10 lbs. wide, 1 ft. deep, drains SE.

13.00 High point on top of left rim of the Escalante River.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

- bears S. and N. 85° W.; descend abruptly over nearly vertical ledge.
- 17.00 A small Cliff Dwellers' store house, bears NW. of line, about 20 lks. dist.
- 22.50 Junction of small stream in bottom of deep gorge from the N., with bend in the Escalante River, which drains southeasterly from southwesterly; ascend abrupt left rim of River.
- 23.60 Top of left rim of the Escalante River, 110 ft. above bend in stream, bears NE. and SW.; ascend gradual E. slope.
- 30.30 Spur, 60 ft. above rim of river, projects S., about 5.00 chs. dist. to end; thence over rolling bench land.
- 34.30 Stock trail, bears N. and S.
- 40.00 Set an iron post, 24 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone and in a small mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
- S15
 $\frac{1}{4}$ ———
S22

1937
- from which
- A point on the S. face of sandstone ledge, 3 ft. above ground, marked X B0, bears N. 71°15' E., 10 lks. dist.
- No bearing trees available.
- 41.00 Top of left rim of the Escalante River, bears N. 70° W., and S. 30° E.; descend abruptly over nearly vertical rim.
- 43.00 The Escalante River, 180 ft. below rim, stream 100 lks. wide, 1 ft. deep, flows S. 30° E.; thence across sandy bottom lands of river.
- 50.70 Base of nearly vertical right rim of river, bears N. 60° W. and S. 60° E.
- 51.00 Top of right rim of the Escalante River, 160 ft. above stream, bears N. 60° W. and S. 60° E.; Indian picture writing on N. face of vertical sandstone wall, bears NW., about 2.00 chs. dist.; thence over rolling bench land.
- 54.60 Stock trail, bears N. and SE.
- 58.80 Top of nearly vertical right rim of the Escalante River, bears NE. and SW.; descend abruptly.
- 59.70 The Escalante River, stream 100 lks. wide, 1 ft. deep, flows NE.; thence across bottom lands of river.
- 62.30 Base of nearly vertical left rim of river, bears N. and S.
- 62.80 Top of left rim of river, 70 ft. above stream, bears N. and S.; ascend gradual E. slope; thence to top of bench.
- 67.30 Top of ascent, 50 ft. above top of rim of river, bears N. and S.; descend gradually over rocky top of bench.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

- 77.50 Top of the left rim of the Escalante River, at its junction with Boulder Creek, 70 ft. high, bears N. 70° W., and S. 70° E.; descend gradually along S. face of rim.
- 80.00 The true point for the cor. secs. 15, 16, 21, and 22, which is S. 0°12' W., 58 lks. dist. from the witness cor. to the cor. of said secs.
- Land, broken breaks of the Escalante River and rolling and broken bench land.
- Soil, shallow sand and sandstone ledges; 4th rate.
- Undergrowth, sage, rabbit, and black brush, mountain rush, and yellow top.
- Timber, juniper and pinon; scattered groves of cottonwood and box elder along bottom lands of the Escalante River.
- Fair grazing land.
-
- From the true point for the cor. secs. 15, 16, 21, and 22.
- N. 0°12' E., bet. secs. 15 and 16.
- Ascend abrupt S. face of sandstone breaks, through scattered timber and undergrowth.
- 0.58 The witness cor. to the cor. secs. 15, 16, 21, and 22.
- 6.40 Top of ascent on S. slope, 160 ft. above witness cor., bears ~~NE.~~ and S. 60° W.; descend gradually along broken W. slope.
- 15.70 Small ravine, 120 ft. below top of ascent, drains SW. from the E.; ascend gradual S. slope.
- 19.60 Top of ascent, 50 ft. above ravine, bears E. and W.; descend gradual N. slope.
- 23.80 Top of left rim of Boulder Creek, 40 ft. below top of ascent, bears E. and W.; descend abrupt nearly vertical rim of creek.
- 27.10 Boulder Creek, stream of good clear water, 30 lks. wide, 1-ft. deep, flows S. 80° W., from N. 80° E., about 5.00 chs. dist. to bend in creek; ascend nearly vertical right rim of creek.
- 28.40 Top of right rim of Boulder Creek, 150 ft. above stream, bears N. 80° E. and S. 80° W.; thence over rolling bench land.
- 33.20 Top of ascent on bench, 60 ft. above rim, bears E. and W.; descend gradual NE. slope.
- 40.00 At top of right rim of Boulder Creek, bears E. and W.
- Set an iron post, 24 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$

S16 S15

1937

SUBDIVISION, T. 35 S., R. 5 E.

Chains

am 280

From which:

A juniper, 16 ins. diam., bears S. 23° E., 35 lks. dist., marked $\frac{1}{4}$ S15 BT.

A juniper, 8 ins. diam., bears S. 87°45' W., 132 lks. dist., marked $\frac{1}{4}$ S16 BT.

October 29, 1937: Stationed at the $\frac{1}{2}$ sec. cor. secs. 15 and 16, in approximate latitude 37°46' N., longitude 111°22' W., with instrument No. 16726, at 5h 13.7m p.m., local mean time, I make an hour angle observation on Polaris E. of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a tree on the sky line about 18 miles N., in a clock wise direction to the star.

Watch time of observation (correct 105th Meridian Standard Time)..... 5h 39.2m p.m.

Mean deflection angle, tree to star..... 1° 06' E.

Azimuth of Polaris at time of observation 1° 18' E.

True bearing to tree..... N. 0°12' E.

Thence, from the above station, descend abrupt nearly vertical right rim of Boulder Creek.

40.50 Base of rim, 100 ft. below top, bears E. and W.; thence across bottom lands of Boulder Creek channel.

44.90 Boulder Creek, stream of good clear water, 30 lks. wide, 1 ft. deep, flows S. 60° E.; ascend nearly vertical left breaks of Boulder Creek.

51.10 Top of high rocky sandstone point, 360 ft. above stream, projects W.; descend abruptly along W. face of breaks of creek.

56.00 Base of descent, 180 ft. below top of sandstone point, and about 60 ft. above channel of Boulder Creek, bears E. and W.; from this point, a bend in Boulder Creek, bears West, about 3.00 chs. dist.; ascend abruptly over ledges.

62.60 Top of left rim of Boulder Creek, 180 ft. above base of descent, projects W.; descend along ledgy W. slope.

68.60 Ravine, 130 ft. below point of left rim of creek, drains S. 30° W., about 10.00 chs. dist. to its junction with Boulder Creek, thence over rolling bench land.

80.00 On sandy bench.

Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to solid rock and in a large mound of stone, for the cor. secs. 9, 10, 15, and 16, with brass cap marked

T338	R5E
S9	S10
S16	S15

1937

from which

A point on a flat sandstone boulder, marked X B0 S10, bears N. 64°30' E., 36 lks. dist.

. SUBDIVISION, T. 33 S., R. 5 E.

Chains

A juniper, 20 ins. diam., bears S. 30° E., 33 lks. dist., marked ~~SS~~ R5E S15 BT.

No other bearing trees available.

Land, broken, with a general westerly exposure and drainage.

Soil, shallow loose sand and sandstone breaks; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

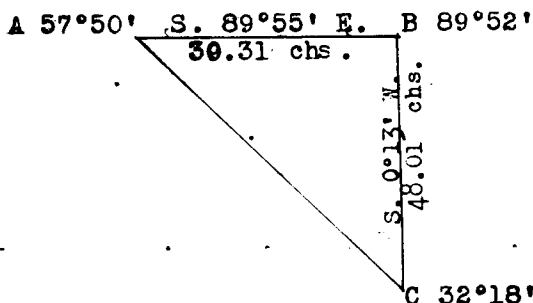
Timber, juniper and pinon.

Fair grazing land.

S. 89°55' E., on random line, bet. secs. 10 and 15.

40.00 Set temp. sec. cor.

49.69 The E. breaks of high mesa make chaining to the E. of this point impracticable, I therefore triangulate as follows. Erect flag A at this point and flag B on line to the E. From B, survey base line BC, S. 0°13' W., 48.01 chs. From C, flag A subtends an angle of 32°18' from B. From A, flag C subtends an angle of 57°50' from B. Vertical angle from A to B is minus 12°00'. All angles checked by repetition.



Distance on line	49.69 chs.
Distance by triangulation	30.31 chs.
	<u>80.00 chs.</u>

80.00 To point B. of triangulation at a point, 5 lks. S. of the cor. secs. 10, 11, 14, and 15.

Thence:

N. 89°57' W., on true line, bet. secs. 10 and 15.

Ascend abruptly over ledgy E. breaks of a high island mesa to the W., through scattered timber and undergrowth.

30.31 Top of E. rim of mesa, 430 ft. above cor., bears N. 20° E. and S. 10° W.; ascend gradual SE. slope of top of mesa.

39.20 Top of ascent on mesa, 40 ft. above rim, bears N. 30° W., and S. 30° E.; descend gradual NW. slope of mesa top.

40.00 On top of mesa.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and in a large mound of stone, for 1/4 sec. cor., with brass cap marked

SUBDIVISION, T. 35 S., R. 5 E.

Chains

$$\frac{1}{4} \frac{S10}{S15}$$

1937

from which

A juniper, 12 ins. diam., bears S. $2^{\circ}15'$ W., 68 lks.
dist., marked $\frac{1}{4}$ S15 BT.

A pinon, 16 ins. diam., bears N. $7^{\circ}15'$ W., 44 lks.
dist., marked $\frac{1}{4}$ S10 BT.

46.50 Top of W. rim of mesa, 40 ft. below the $\frac{1}{4}$ sec. cor., bears northeasterly and southerly; descend abrupt ledgy W. slope

57.00 Bottom sandstone gorge, 150 ft. deep, drains S.; ascend abrupt SE. face of sandstone point.

67.40 Top of broken sandstone butte, 160 ft. above gorge; descend steep ledgy SW. slope.

80.00 The cor. secs. 9, 10, 15, and 16, 260 ft. below top of butte.

Land, broken sandstone ledges, with a general easterly and southerly exposure and drainage.

Soil, shallow loose sand and sandstone ledges; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. $0^{\circ}12'$ E., bet. secs. 9 and 10.

Descend gradually over rolling and broken bench land, through scattered timber and undergrowth.

16.80 Ravine, 100 ft. below cor., drains W.; ascend gradual S. slope.

27.50 Small ravine, drains SW.; continue ascent.

40.00 At base of abrupt ascent over steep SE. slope, 70 ft. above the ravine at the 16.80 chs. point, bears NE. and SW.

Set an iron post, 24 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone and in a small mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{S9}{S10}$$

1937

from which

A pinon, 6 ins. diam., bears S. 18° E., 223 lks.
dist., marked $\frac{1}{4}$ S10 BT.

A pinon, 8 ins. diam., bears S. $17^{\circ}15'$ W., 154 lks.
dist., marked $\frac{1}{4}$ S9 BT.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

66.00 Top of rocky ridge, 390 ft. above the $\frac{1}{4}$ sec. cor., bears N. 5° E., and SW., about 8.00 chs. dist., thence S.; ascend gradually along W. slope near top of ridge.

72.50 Top of ascent on W. slope, 30 ft. above ridge, bears E. and W.; descend abrupt N. slope.

80.00 On abrupt N. slope, 160 ft. below top of ridge.

Set an iron post, 30 ins. long, 2 ins. diam., 14 ins. in a hole drilled in the solid sandstone, for cor. secs. 3, 4, 9, and 10, with brass cap marked

T35S	R5E
S4	S3

S9	S10
----	-----

1937

from which

A point on the N. face of a sandstone ledge, marked X B0, bears S. $44^{\circ}30'$ E., 25 lks. dist.

No other suitable accessories available.

Land, broken and rolling, with a general westerly exposure and drainage.

Soil, shallow sand, and sandstone surface rock; 4th rate.

Undergrowth, sage and black brush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

S. $89^{\circ}57'$ E., on random line, bet. secs. 3 and 10.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect the cor. secs. 2, 3, 10, and 11.

Thence:

N. $89^{\circ}57'$ W., on true line, bet. secs. 3 and 10.

Over rolling bench land, through scattered timber and undergrowth.

9.20 Wash, 30 lks. wide, 1 ft. deep, drains N. 30° W.

17.90 Wash, 30 lks. wide, 1 ft. deep, drains N. 30° W.

29.50 Wash, 20 lks. wide, 2 ft. deep, drains NE.

35.50 Wash, 10 lks. wide, 4 ft. deep, drains NE.

40.00 On rolling bench land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S3

$\frac{1}{4}$ ———

S10

1937

SUBDIVISION, T. 35 S., R. 5 E.

Chains		aniedS
	From which:	00.00
	A pinon, 10 ins. diam., bears S. 73° W., 173 lks. dist., marked $\frac{1}{4}$ S10 BT.	
	A juniper, 24 ins. diam., bears N. 19° 45' W., 300 lks. dist., marked $\frac{1}{4}$ S3 BT.	08.87
41.60	Base of gradual ascent over E. slope of sandstone surface rock, bears N. and S.	00.00
46.70	Top of rocky spur, 70 ft. above base of ascent, projects N. 20° E., about 3.00 chs. dist. to end; descend gradual NW. slope.	
59.90	Bottom of depression, 90 ft. below spur, drains SW., 2.00 chs. dist., thence S.; ascend gradually.	
75.00	Top of low ridge, bears N. and S.	
80.00	The cor. secs. 3, 4, 9, and 10, 120 ft. above depression.	
	Land, rolling and broken, with a general northerly exposure and drainage.	
	Soil, shallow sand, and sandstone surface rock; 4th rate.	
	Undergrowth, sagebrush, mountain rush, and yellow top.	
	Timber, juniper and pinon.	
	Fair grazing land.	
	N. 0° 12' E., on random line, bet. secs. 3 and 4.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
73.05	Intersect the N. bdy. of the township, 30 lks. E. of the cor. secs. 3, 4, 33, and 34, an iron post, 2 ins. diam., set, marked, and witnessed, as described in the official record of the survey of T. 34 S., R. 5 E., Group 119, Utah.	
	Thence:	
	S. 0° 02' E., on true line, bet. secs. 3 and 4.	
	Descend steep S. slope of broken land, through scattered timber and undergrowth.	
30.00	Sandstone gulch, 280 below cor., drains S. 60° W.; ascend.	
33.05	On sandstone spur, 20 ft. above gulch, projects SW.	
	Set an iron post, 24 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone, for $\frac{1}{4}$ sec. cor., with brass cap marked	
		07.71
		08.92
		08.87
	1937	00.04
	from which	
	A point on sandstone ledge, marked A BQ, bears S. 88° W. 34 lks. dist.	
	No other accessories available.	

SUBDIVISION, T. 35 S., R. 5 E.

Chains

Thence descend gradually along S. slope.

42.90 Head of ravine, drains S. 60° W.; continue gradual descent.

56.80 Wash, 10 lks. wide, 1 ft. deep, in bottom of depression, 100 ft. below the $\frac{1}{4}$ sec. cor., drains S. 80° W.; ascend gradual N. slope.

57.00 Top of rocky spur, 230 ft. above wash, projects S. 60° W.; descend gradual S. slope.

71.90 Small gulch, 70 ft. below spur, drains S. 60° W.; ascend steep N. slope.

73.05 The cor. of secs. 3, 4, 9, and 10, 30 ft. above gulch.

Land, broken and rolling, with a general southwesterly exposure and drainage.

Soil, shallow sand, and sandstone surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

From the standard cor. secs. 32 and 33, on the S. bdy. of the township, heretofore described.

N. 0°11' E., bet. secs. 32 and 33.

Over rolling land known as Spencer Bench through scattered undergrowth.

40.00 On rolling mesa land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S32 S33

1937

from which,

A juniper, 6 ins. diam., bears N. 5° E., 388 lks. dist., marked $\frac{1}{4}$ S33 BT.

No other bearing tree available.

67.60 Small sandstone outcropping, 6 ft. diam., 4 ft. high.

72.00 Enter scattered timber, bears NE. and SW.

80.00 On rolling mesa land.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and in a large mound of stone, for cor. secs. 28, 29, 32, and 33, with brass cap marked

SUBDIVISION, T. 35 S., R. 5 E.

Chains

T35S R5E
S29 S28

S32 S33

1937

from which

A juniper, 14 ins. diam., bears N. 15° E., 88 lks.
dist., marked T35S R5E S28 BT.

A juniper, 16 ins. diam., bears S. 65°30' E., 18 lks.
dist., marked T35S R5E S33 BT.

A juniper, 16 ins. diam., bears S. 51°45' W., 187 lks.
dist., marked T35S R5E S32 BT.

A juniper, 12 ins. diam., bears N. 25° W., 59 lks.
dist., marked T35S R5E S29 BT.

Land, rolling top of Spencer Bench.

Soil, shallow loose sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon on N. portion of mile.

Fair grazing land.

East, on random line, bet. secs. 28 and 33.

40.00 Set temp. 1/4 sec. cor.

79.98 Intersect the cor. secs. 27, 28, 33, and 34.

Thence;

West, on true line, bet. secs. 28 and 33.

Over rolling top of Spencer Bench through very scattered timber and undergrowth.

39.99 On rolling benchland.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 1/4 sec. cor., with brass cap marked

S28

S33

1937

from which

A juniper, 5 ins. diam., bears S. 37°30' W., 491 lks.
dist., marked 1/4 S33 BT.

A juniper, 8 ins. diam., bears N. 19°30' W., 294 lks.
dist., marked 1/4 S28 BT.

79.98 The cor. secs. 28, 29, 32, and 33.

Land, rolling top of Spencer Bench.

Chains

Soil, shallow-loose sand; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. 0°11' E., bet. secs. 28 and 29.

Over-rolling top of Spencer Bench through very scattered timber and undergrowth.

40.00 On rolling mesa land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 1 sec. cor., with brass cap marked

S29	S28
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1937

from which

A juniper, 18 ins. diam., bears S. 3° E., 270 lks. dist., marked S28 BT.

A juniper, 12 ins. diam., bears S. 53°30' W., 216 lks. dist., marked S29 BT.

71.60 Base of sandstone knoll, bears E. and W.; ascend steep W. slope of knoll.

74.40 Top of knoll, 75 ft. high, bears E. of line, 1.00 ch. dist.; from knoll, ridge bears N.; thence ascend along E. slope of ridge.

80.00 On E. slope of ridge, 2.00 ch. west of top.

Set an iron post, 30 ins. long, 2 ins. diam., 14 ins. in a hole drilled in the solid sandstone, and in a small mound of stone, for cor. secs. 20, 21, 28, and 29, with brass cap marked

T35S	R5E
S20	S21
S29	S28

1937

from which

A pinon, 3 ins. diam., bears N. 57° E., 79 lks. dist., marked BT.

A juniper, 6 ins. diam., bears S. 72°30' E., 157 lks. dist., marked T35S R5E S28 BT.

A pinon, 8 ins. diam., bears S. 61° W., 36 lks. dist., marked T35S R5E S29 BT.

A pinon, 12 ins. diam., bears N. 52°45' W., 73 lks. dist., marked T35S R5E S20 BT.

SUBDIVISION 2, 1923 S., R. 5 E.

Chains

Surveys

Land, rolling top of Spencer Bench, rolling, 1102
Soil, shallow sand, and surface rock; with native
Undergrowth, sagebrush, mountain rush, and yellow top.
Timber, juniper and pinon.
Fair grazing land.

East, on random line, bet. secs. 21 and 28.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect the N. and S. line, 7 lks. S. of the cor. secs. 21, 22, 27, and 28,

Thence:

S. $89^{\circ}57'$ W., on true line, bet. secs. 21 and 28.

Ascend abrupt E. slope of broken land, through scattered timber and undergrowth.

2.00 Small ravine, drains S.

10.70 Rocky spur, 220 ft. above cor., projects S. 30° E.; descend gradual W. slope.

37.60 Ravine, 130 ft. below spur, drains N. from S. 20° W.; ascend gradually.

39.99 On small spur of bench, 40 ft. above ravine, projects N.

Set an iron post, 24 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S21

S28

1937

from which

A pinon, 5 ins. diam., bears N. 69° E., 33 lks. dist., marked $\frac{1}{4}$ S21 BT.

A pinon, 6 ins. diam., bears S. $43^{\circ}15'$ W., 25 lks. dist., marked $\frac{1}{4}$ S28 BT.

Thence over broken mesa land.

54.20 Low rise, bears N. 30° E. and S. 30° W.

62.10 Wash, 20 lks. wide, 2 ft. deep, drains N. 60° W.

66.20 Base of abrupt ascent over steep E. slope of ridge, bears E. and W.

77.70 Top of ridge, 310 ft. above base, bears N. and S.; descend steep W. slope.

79.98 The cor. secs. 20, 21, 28, and 29, 50 ft. below top of ridge.

Land, broken, with a general northwesterly exposure and drainage.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

S811, shallow loose sand and surface rock; 4th rate.
Undergrowth, sagebrush, mountain rush, and yellow top.
Timber, juniper and pinon.
Fair grazing land.

N. 0°11' E., bet. secs. 20 and 21.

Descend gradually along broken W. slope of ridge to the E., through scattered timber and undergrowth.

2.30 Base of descent, 30 ft. below cor., bears N. 60° W. and E.; thence over rolling bench land.

21.40 Top of low rise, bears NW. and SE.; descend gradual NE. slope.

26.20 Rim of bench, bears NE. and SW.; descend steep N. slope.

34.30 Base of descent from bench, 120 ft. below top, bears NE. and SW.; thence over rolling land.

40.00 On gradual N. slope, 50 ft. below base of descent.

Set an iron post, 24 ins. long, 1 in. diam., 14 ins. in a hole drilled in the solid sandstone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S20 | S21

1937

from which

A pinon, 12 ins. diam., bears N. 67°30' E., 20 lks. dist., marked $\frac{1}{4}$ S21 BT.

A pinon, 14 ins. diam., bears S. 30°30' W., 82 lks. dist., marked $\frac{1}{4}$ S20 BT.

41.10 Wash, 20 lks. wide, 3 ft. deep, drains NE.; ascend gradual S. slope.

44.40 Wash, 10 lks. wide, 2 ft. deep, drains S. 80° E.

50.70 Top of sandstone spur, 50 ft. high, projects N. 70° E.; descend gradual N. slope.

54.30 Ravine, 80 ft. below spur, drains S. 60° E.; ascend gradual S. slope of rolling bench land.

71.40 Top of rim of bench, bears E. and N. 80° W.; descend steep NE. slope.

75.60 Top of the right rim of the Escalante River, 120 ft. below rim of bench, bears E. and W.; descend abruptly over nearly vertical rim of river.

80.00 On the S. edge of the bottom lands of the Escalante River, 430 ft. below top of S. rim, bears E. and W.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground and in a mound of stone, for cor. secs. 16, 17, 20, and 21, with brass cap marked

SUBDIVISION, T. 39 N. R. 14 E.

Chains

enlarge

T35S R5E 110130, 1108
S17 S16

S20 S21

1937

from which

A box elder, 12 ins. diam., bears S. $71^{\circ}15'$ E., 209 lks. dist., marked T35S R5E S21 BT.

A box elder, 10 ins. diam., bears N. 77° W., 82 lks. dist., marked T35S R5E S17 BT.

No other suitable bearing trees available.

Land, broken, with a general northeasterly exposure and drainage.

Soil, shallow sand, and sandstone surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon; cotton wood and box elder along bottom lands of the Escalante River.

Fair grazing land.

N. $89^{\circ}57'$ E., on random line, bet. secs. 16 and 21.

The line to the E. of the cor. secs. 16, 17, 20, and 21, passes over the vertical rims of the Escalante River, over which it is impossible to project a line or chain, I therefore run on a traverse line from the cor. secs. 16, 17, 20 and 21, as follows.

N. $70^{\circ}22'$ E., 2.30 chs., thence:

N. $42^{\circ}00'$ E., 18.74 chs., thence:

S. $73^{\circ}30'$ E., 23.37 chs., thence:

S. $19^{\circ}26'$ E., 8.48 chs.; set temp. 1 sec. cor.

N. $19^{\circ}26'$ W., 8.48 chs., thence:

S. $50^{\circ}00'$ E., 30.85 chs., thence:

N. $61^{\circ}00'$ E., 9.16 chs., thence:

N. $86^{\circ}00'$ E., 8.07 chs., thence:

N. $43^{\circ}00'$ E., 4.49 chs., thence:

N. $0^{\circ}13'$ E., 3.61 chs. to:

79.88

The true point for the cor. secs. 15, 16, 21, and 22, which is S. $0^{\circ}12'$ W., 58 lks. dist., from the witness cor. to the cor. said secs.

The course and distance from the true point for the cor. secs. 15, 16, 21, and 22, to the cor. secs. 16, 17, 20, and 21, is S. $89^{\circ}55'$ W., 79.88 chs.

Thence:

SUBDIVISION, T. 35 S., R. 5 E.

Chains

From the true point for the cor. secs. 15, 16; 21, and 22.

S. $89^{\circ}55'$ W., on true line, bet. secs. 16 and 21, giving approximate distance to topography on true line.

Along bottom of Boulder Creek, stream of good clear water, 30 lks. wide, 1 ft. deep, draining easterly from the W.

7.00 Leave bottom of Boulder Creek, and ascend broken right rim of same.

10.00 Top of the right rim of Boulder Creek, which is a nearly vertical sandstone wall, about 75 ft. high; thence over broken ledges. Rim bears NW. and SE.

30.00 Top of the left rim of the Escalante River, bears NW. and SE.; descend abruptly over nearly vertical rim of river.

35.00 The Escalante River, stream, 100 lks. wide, 1 ft. deep, flows southeasterly; thence over bottom lands of river.

39.00 Leave bottom lands of river, bears NW. and SE.; ascend abruptly along broken S. breaks of river.

39.94 In broken S. breaks of the Escalante River.

Set an iron post, 30 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone and in a mound of stone, for 1 sec. cor., with brass cap marked

S16

S21

1937

from which

A juniper, 6 ins. diam., bears S. $24^{\circ}30'$ W., 34 lks. dist., marked S21 BT.

A point on sandstone ledge, marked X 20, bears N. $19^{\circ}30'$ E., 7 lks. dist.

Continue along the broken S. breaks of river.

45.00 Sandstone gulch with vertical walls about 150 ft. high, drains N., about 8.50 chs. dist. to its junction with the Escalante River; continue along the N. face of the broken S. breaks of river.

74.00 Top of the N. point of high sandstone point, about 200 ft. above river; thence along nearly perpendicular wall on S. side of the bottom lands of river.

79.88 The cor. of secs. 16, 17, 20, and 21, about 200 ft. below sandstone point.

Land, broken breaks of Boulder Creek and the Escalante River.

Soil, patches of shallow loose sand and sandstone ledges; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, a few scattered scrub juniper and pinon; scattered clumps of cottonwood along the bottom lands of the river.

Fair grazing land.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

amlsd

N. 0°11' E., bet. secs. 16 and 17.

Across sandy bottom lands of the Escalante River, through scattered timber and undergrowth.

9.80 The Escalante River, stream 100 lks. wide, 1 ft. deep, flows SE.; continue across bottom lands of river.

15.30 Base of nearly vertical sandstone wall at N. edge of bottom lands of the Escalante River, bears SE., and NW., about 3.00 chs. dist., thence SW.; ascend abrupt left rim of river.

17.20 Top of the left rim of the Escalante River, 290 ft. above stream, bears NW. and SE.; ascend gradually over broken bench land.

27.50 Top of ascent on bench, 60 ft. above top of rim of river, bears E. and W.; continue over rolling land.

38.90 Base of gradual ascent over broken W. slope of sandstone ledges, bears NW. and SE.

39.77 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to solid rock and in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 16 and 17, with brass cap marked

W C
 $\frac{1}{2}$
 S17 | S16

1937

from which

A juniper, 3 ins. diam., bears S. 21°45' E., 25 lks. dist., marked BT.

A juniper, 10 ins. diam., bears S. 8° W., 140 lks. dist., marked WC $\frac{1}{2}$ S17.BT.

A point on sandstone ledge, marked X B0, bears S. 43° E. 21 lks. dist.

40.00 True point for the $\frac{1}{4}$ sec. cor., falls on W. face of ledge, where it is impossible to set a cor.40.50 Top of ascent on W. slope of sandstone point, which bears E. of line, 2.00 chs. dist., 40 ft. above the witness cor. to the $\frac{1}{4}$ sec. cor., bears E. and W.; descend gradually along W. slope.

48.40 Base of descent on W. slope, 100 ft. below top, bears NW. and SE.; ascend steep SW. slope.

54.90 Base of nearly vertical sandstone ledge, 100 ft. high, faces SW.

56.00 Top of high sandstone spur, 260 ft. above base of ascent, projects S. 60° W.; thence over broken sandstone bench.

57.00 Small ravine near head, 40 ft. deep, drains S. 80° W.

59.40 Small spur, projects W., 1.60 ch. dist. to end.

61.60 Sandstone gulch, 80 ft. below spur, drains S. 80° W.; ascend steep broken S. slope.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

79.80 Top of ascent, 230 ft. above gulch, bears SE. and W.; thence along ledgy W. slope.

80.00 On ledgy W. slope.

Set an iron post, 24 ins. long, 2 ins. diam., 14 ins. in a hole drilled in the solid sandstone, for cor. secs. 8, 9, 16, and 17, with brass cap marked

T35S S8	R5E S9
S17	S16

1937

from which

A point on the W. face of sandstone ledge, marked X B0, bears N. $34^{\circ}45'$ E., 30 lks. dist.

A juniper, 10 ins. diam., bears S. $60^{\circ}15'$ W., 109 lks. dist., marked T35S R5E S17 BT.

A pinon, 4 ins. diam., bears N. $20^{\circ}15'$ W., 36 lks. dist., marked S8 BT.

No accessories available in sec. 16.

Land, broken, with a general westerly exposure and drainage.

Soil, shallow loose sand, and sandstone ledges and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, scattered juniper and pinon.

Fair grazing land.

N. $89^{\circ}55'$ E., on random line, bet. secs. 9 and 16.

37.16 Set temp. witness cor. to the sec. cor. secs. 9 and 16.

79.86 Intersect the cor. secs. 9, 10, 15, and 16.

Thence:

S. $89^{\circ}55'$ W., on true line, bet. secs. 9 and 16.

Over rolling and broken bench land and sandstone surface rock, through scattered timber and undergrowth.

13.30 Small draw, 60 ft. below cor., drains NW.; ascend gradual E. slope, the surface of which is strewn with large black volcanic boulders.

20.30 Top of sandstone knoll and top of left rim of Boulder Creek, 190 ft. above draw, bears N. and S.; descend steep ledgy W. slope into creek.

33.30 Boulder Creek, stream of good clear water, 15 lks. wide, 6 ins. deep, in narrow sandstone gorge, flows S.; ascend abrupt W. breaks of creek.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

- 39.93 True point for the $\frac{1}{4}$ sec. cor. secs. 9 and 16, falls in broken W. breaks of Boulder Creek, where it is impracticable to set a cor.
- 42.70 On top of flat sandstone spur, 180 ft. above Boulder Creek, slopes S.
- Set an iron post, 30 ins. long, 1 in. diam., 6 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 9 and 16, with brass cap marked
- $$\frac{1}{4} \frac{S9}{WC}$$

$$S16$$
1937
- from which
- A point on sandstone ledge, marked X B0, bears N. 5° E., 10 lks. dist.
- A juniper, 8 ins. diam., bears S. 65° W., 7 lks. dist., marked WC BT. Tree too scrubby for other marks.
- Thence ascend gradually along rocky S. slope.
- 53.40 Sandstone gorge near head, 300 ft. deep, drains SE., about 8.00 chs. dist., thence E.; ascend steep ledgy E. slope.
- 62.60 Top of E. rim of mesa, 420 ft. above the witness cor. to the $\frac{1}{4}$ sec. cor., bears S., and N., 50 lks. dist., thence N. 80° W.; descend gradual NW. slope of mesa top.
- 65.50 Top of E. rim of mesa, bears S. 10° W., and N. 10° E., 1.00 ch., thence E.; descend gradual NW. slope.
- 67.70 Head of ravine, 20 ft. below top of mesa, drains N. 20° E., thence over top of mesa through medium dense timber.
- 75.30 Top of W. rim of mesa, bears N. 10° W. and S. 10° E.; descend steep ledgy W. face of mesa.
- 79.86 The cor. secs. 8, 9, 16, and 17, 170 ft. below top of mesa.
- Land, broken, with a general southerly and northwesterly exposure and drainage.
- Soil, shallow loose sand, sandstone ledges and surface rock; 4th rate.
- Undergrowth, sagebrush, mountain rush, and yellow top.
- Timber, juniper and pinon.
- Fair grazing land.
-
- N. 0° 11' E., bet. secs. 8 and 9.
- Ascend gradually along broken W. slope of mesa, through scattered undergrowth and timber.
- 20.00 Head of small ravine, drains W.; ascend steep S. breaks of mesa.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

24.20 Top of S. rim of mesa, 250 ft. above cor., bears NW., and E., 1.00 ch. dist., thence S. 10° E.; ascend gradual S. slope of top of mesa..

29.90 Top of ascent on mesa, 90 ft. above S. rim, bears NW. and S. 10° E.; thence across rolling top through medium dense timber.

34.50. Small ravine, drains SE.

40.00 On rolling top of mesa.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 4 sec. cor., with brass cap marked

$\frac{1}{2}$
 S8 | S9
 1937

from which

A juniper, 8 ins. diam., bears N. 86° E., 27 lks. dist., marked $\frac{1}{2}$ S9 ET.

A juniper, 8 ins. diam., bears N. 41° W., 22 lks. dist., marked $\frac{1}{2}$ S8 ET.

54.10. Top of N. rim of mesa, bears E. and W.; descend abrupt ledgy NE. slope.

65.90 Top of vertical ledge, 60 ft. high, bears S. 80° E., and W., 1.00 ch. dist., thence N.; descend abrupt ledgy E. slope.

76.70 Ravine, 600 ft. below rim of mesa, drains E.; ascend steep SE. slope.

80.00 On steep ledgy SE. slope, 60 ft. above ravine.

Set an iron post, 24 ins. long, 2 ins. diam., 12 ins. in a hole drilled in the solid sandstone, and in a small mound mound of stone, for cor. secs. 4, 5, 8, and 9, with brass cap marked

T35S | R5E
 S5 | S4
 SE | S9

1937

from which

A pinon, 12 ins. diam., bears N. 66° E., 249 lks. dist., marked T35S R5E S4 ET.

A pinon, 8 ins. diam., bears S. 63° 15' E., 186 lks. dist., marked T35S R5E S9 ET.

A point on the E. face of ledge, marked X B0, bears S. 10° W., 12 lks. dist.

No other accessories available.

Land, broken, with a general westerly and northeasterly exposure and drainage.

Soil, shallow sand, sandstone ledges and surface rock; 4th rate.

SUBDIVISION, T. 135 S., R. 5 E.

Chains

Undergrowth, sagebrush, mountain rush, and yellow top.
 Timber, juniper and pinon..
 Fair grazing land..

N. $89^{\circ}55'$ E., on random line, bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.86 Intersect the N. and S. line, 3 lks. N. of the cor. secs. 3, 4, 9, and 10.

Thence:

S. $89^{\circ}56'$ W., on true line, bet. secs. 4 and 9.

Descend abrupt NW. slope of broken land, through scattered timber and undergrowth.

2.60 Gulch, 50 ft. below cor., drains S. 80° W.; thence descend gradual SW. slope, over sandstone surface rock.

15.80 Base of sandstone surface rock, bears N. and S.; descend abrupt W. slope.

25.50 Deep ravine, 190 ft. below sec. cor., drains S. 30° E., about 8.00 chs. dist., thence S.; ascend steep E. slope.

39.93 At top of ascent, 100 ft. above ravine, bears N. and S.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S4
S9

1937

from which

A juniper, 8 ins. diam., bears S. 73° W., 210 lks. dist., marked $\frac{1}{4}$ S9 BT.

No other suitable bearing tree available.

Thence descend gradual W. slope.

51.40 Top of E. rim of Deer Creek, 80 ft. below top of ascent, bears NE. and SW.

52.40 Deer Creek, stream of good clear water, 10 lks. wide, 4 ins. deep, in bottom of deep narrow gorge, 80 ft. below rim, flows SW.; ascend nearly vertical W. rim of creek.

54.20 Top of W. rim of Deer Creek, 80 ft. above bottom, bears NE. and SW.; thence across rolling bench land.

64.40 Top of high point on left rim of Boulder Creek, point projects N. and rim bears NW. and SE.; descend abruptly over nearly vertical rim of creek.

69.20 Boulder Creek, stream of good clear water, 20 lks. wide, 6 ins. deep, flows SE.; ascend abrupt nearly vertical right rim of creek.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

71.10 Top of right rim of Boulder Creek, 80 ft. above stream, bears NW. and SE.; thence ascend gradual E. slope.

72.20 Ravine, drains NE.; continue ascent.

78.90 Ascent becomes abrupt, bears N. and S.

79.86 The cor. secs. 4, 5, 8, and 9, 130 ft. above right rim of Boulder Creek.

Land, broken, with a general southeasterly exposure and drainage.

Soil, shallow loose sand, and sandstone surface rock; 4th rate.

Undergrowth, sage and black brush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. 0°02' W., on random line, bet. secs. 4 and 5.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

73.14 Intersect the N. bdy. of the township, 21 lks. E. of the cor. secs. 4, 5, 32, and 33, heretofore described.

Thence:

S. 0°12' E., on true line, bet. secs. 4 and 5.

Over sandy bench land, through scattered timber and undergrowth.

1.00 Top of nearly vertical left rim of Deer Creek, bears E. and W.

3.00 Deer Creek, stream of good clear water, 20 lks. wide, 1 ft. deep, flows E., 75 ft. below rim.

4.00 Top of nearly vertical right rim of Deer Creek, 75 ft. high, bears E. and W.; ascend abrupt NE. slope.

19.00 Top of sandstone rim, bears NW. and SE.; continue abrupt ascent over E. slope.

31.90 Top of rim of mesa, 510 ft. above sec. cor., bears N. 30° W. and S. 30° E.; thence over broken top of mesa.

33.14 On broken top of mesa.

Set an iron post, 30 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone and in a small mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S5 | S4

1937

from which

A juniper, 12 ins. diam., bears N. 43° E., 58 lks. dist., marked $\frac{1}{4}$ S4 BT.

SUBDIVISION, T. 35 S., R. 5 E.

Chains	
	A pinon, 12 ins. diam., bears N. 18° W., 53 lks. dist., marked $\frac{1}{4}$ S5 ET.
33.60	Top of SW. rim of mesa, bears NE. and SW., descend gradually over broken S. slope.
38.00	Top of high sandstone rim, bears NE. and W.; descend abrupt S. slope.
45.80	Gulch, 310 ft. below the $\frac{1}{4}$ sec. cor., drains W.; ascend ledgy N. slope.
52.50	Top of elongated sandstone butte, 160 ft. above gulch, bears W., 1.00 chain dist., and E., about 2.00 chs. dist.; descend steep ledgy S. slope.
57.00	Boulder Creek, stream of good clear water, 30 lks. wide, 6 ins. deep, in deep narrow gorge, 300 ft. below butte, flows SE.; ascend abrupt right rim of creek.
58.00	Top of nearly vertical right rim of Boulder Creek, 100 ft. above stream, bears NW. and SE.; thence over rolling bench
64.90	Top of right rim of Boulder Creek, bears NE., and SW., about 4.00 chs. dist., thence SE.; descend abruptly to bend in creek.
67.00	Bend in Boulder Creek, 60 ft. below rim, drains SE. from the NE.; ascend abruptly over nearly vertical right rim of creek.
68.90	Top of right rim of creek, 60 ft. above stream, bears NW. and SE.; ascend steep NE. slope.
71.60	Top of ascent, 70 ft. above rim of creek, bears E. and W.; descend gradually along steep E. slope.
73.14	The cor. secs. 4, 5, 8, and 9, 30 ft. below top of ascent.
	Land, broken nearly vertical rims of Deer Creek and Boulder Creek.
	Soil, shallow loose sand, sandstone ledges, and surface rock; 4th rate.
	Undergrowth, sagebrush, mountain rush, and yellow top.
	Timber, juniper and pinon.
	Fair grazing land.
	From the standard cor. secs. 31 and 32, on the S. bdy. of the township, heretofore described.
	N. 0° 11' E., bet. secs. 31 and 32.
	Over rolling and broken top of Spencer bench through very scattered timber and medium dense short undergrowth.
6.40	Old wagon road, bears N. 10° W. and S. 10° E.
40.00	On rolling top of bench.
	Set an iron post, $\frac{3}{4}$ ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

Chains

$\frac{1}{4}$
 S31 | S32 ✓
 1937

deposit a
sandstone, 6 x 5 x 2 ins., at base of post, marked X.

No bearing trees available.

.80.00 On rolling top of Spencer Bench.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. secs. 29, 30, 31, and 32, with brass cap marked

T35S | R5E
 S30 | S29

 S31 | S32
 1937

from which

A juniper, 6 ins. diam., bears N. 52°30' E., 432 lks. dist., marked T35S R5E S29 BT.

A juniper, 16 ins. diam., bears S. 75°30' E., 638 lks. dist., marked T35S R5E S32 BT.

A juniper, 6 ins. diam., bears N. 10°15' W., 470 lks. dist., marked T35S R5E S30 BT.

No bearing tree available in sec. 31.

Land, rolling top of Spencer Bench.

Soil, shallow loose sand; 4th rate.

Undergrowth, sage and black brush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

East, on random line, bet. secs. 29 and 32.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect the cor. secs. 28, 29, 32, and 33.

Thence:

West, on true line, bet. secs. 29 and 32.

Over rolling top of Spencer Bench through scattered timber and undergrowth.

10.00 Top of low rise, bears N. and S.

34.00 Shallow swale, drains N. 20° E.

40.03 On rolling top of bench.

Set an iron post, 30 ins. long, 1 in. diam., 12 ins. in a

SUBDIVISION, T. 35 S., R. 5 E.

Chains

various

hole drilled in the solid sandstone and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S29
S32
1937

from which

A juniper, 16 ins. diam., bears N. $20^{\circ}30'$ E., 120 lks. dist., marked $\frac{1}{4}$ S29 BT.

A juniper, 12 ins. diam., bears S. $33^{\circ}45'$ W., 163 lks. dist., marked $\frac{1}{4}$ S32 BT.

49.70 Sandstone outcropping, 1.00 ch. wide, bears NW. and SE.

72.00 Leave timber, bears N. and S.

80.06 The cor. secs. 29, 30, 31, and 32.

Land, rolling top of Spencer Bench.

Soil, shallow loose sand, 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

West, on random line, bet. secs. 30 and 31.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.37 Intersect the W. bdy. of the township, 2 lks. N. of the cor. secs. 29, 30, 31, and 32, heretofore described.

Thence:

N. $89^{\circ}59'$ E., on true line, bet. secs. 30 and 31.

Ascend gradually over broken top of Spencer Bench through scattered timber and undergrowth.

3.70 Small ravine, drains N. 10° W., about 10.00 chs. dist., thence W.; continue ascent over steep W. slope of sandstone surface rock.

21.90 Ascent becomes gradual, bears N. and S.

39.40 Top of ascent, 210 ft. above cor., bears NW. and SE.; descend gradual E. slope.

40.37 On gradual E. slope.

Set an iron post, 3 ft. long, 1 in. diam., 25 ins. in the ground to solid rock and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S30
S31
1937

from which

SUBDIVISION, T. 35 S., R. 5 E.

Chains

A juniper, 16 ins. diam., bears S. 61°15' E., 210 lks. dist., marked $\frac{1}{4}$ S31 BT.

A juniper, 24 ins. diam., bears N. 61°15' W., 282 lks. dist., marked $\frac{1}{4}$ S30 BT.

46.70 Base of descent, 80 ft. below top, bears N. 10° W. and S. 10° E.; thence over rolling land.

49.60 Small wash, drains S. 60° E.

61.40 Shallow swale, drains S.

80.37 The cor. secs. 29, 30, 31, and 32,

Land, rolling and broken top of Spencer Bench.

Soil, shallow sand, and sandstone surface rock; 4th rate.

Undergrowth, sage and black brush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. 0°11' E., bet. secs. 29 and 30.

Over rolling top of Spencer Bench through scattered undergrowth; ascend gradually.

25.40 Top of ascent, 60 ft. above cor., bears SW., and E., 2.00 chs. dist. to end; enter scattered timber, bears with top; descend gradually over rolling W. slope.

35.50 Wash, 40 lks. wide, 3 ft. deep, in draw, 110 ft. below top of ascent, drains E.; ascend gradual S. slope.

40.00 On gradual S. slope, 20 ft. above wash.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S30 | S29

1937

from which

A pinon, 16 ins. diam., bears S. 73° E., 40 lks. dist., marked $\frac{1}{4}$ S29 BT.

A juniper, 20 ins. diam., bears N. 79°15' W., 103 lks. dist., marked $\frac{1}{4}$ S30 BT.

60.90 Top of ascent, 30 ft. above the $\frac{1}{4}$ sec. cor., bears NE. and SW.; descend gradually over broken N. and W. slopes.

80.00 On gradual N. slope, 40 ft. below top of ascent.

Set an iron post, 30 ins. long, 2 ins. diam., 14 ins. in a hole drilled in the solid sandstone and in a small mound of stone, for cor. secs. 19, 20, 29, and 30, with brass cap marked

SUBDIVISION, T. 35 S., R. 5 E.

Chains

enclad

T35S R5E
S19 S20

S30 S29

1937

from which

A pinon, 12 ins. diam., bears N. 66° E., 25 lks.
dist., marked T35S R5E S20 BT.

A pinon, 14 ins. diam., bears S. 44° E., 130 lks.
dist., marked T35S R5E S29 BT.

A juniper, 5 ins. diam., bears S. 49°15' W., 43 lks.
dist., marked T35S R5E S30 BT.

A juniper, 12 ins. diam., bears N. 13°45' W., 123 lks.
dist., marked T35S R5E S19 BT.

Land, rolling and broken top of Spencer Bench.

Soil, shallow sand and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon on portion of mile.

Fair grazing land.

East, on random line, bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.12 Intersect the N. and S. line, 3 lks. S. of the cor., secs.
20, 21, 28, and 29.

Thence:

S. 89°59' W., on true line, bet. secs. 20 and 29.

Descend gradually over rolling and broken W. slope, through
scattered timber and undergrowth.

9.00 Base of descent, 70 ft. below cor., bears N. and S.;
thence over rolling land.

19.00 Wash, 10 lks. wide, 1 ft. deep, drains S. 30° W.

31.60 Top of sandstone spur, 50 ft. high, projects S. 20° W.,
2.00 chs. dist. to end.

35.00 Timber becomes more scattered, bears N. and S.

40.06 On rolling bench land.

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
ground and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass
cap marked

S20

$\frac{1}{4}$

S29

1937

from which

SUBDIVISION, T. 35 S., R. 5 E.

Chains

A juniper, 24 ins. diam., bears S. 69°30' E., 517 lks. dist., marked $\frac{1}{4}$ S29 BT.

A juniper, 12 ins. diam., bears N. 23° W., 396 lks. dist., marked $\frac{1}{4}$ S20 BT.

40.50 Wash, 20 links wide, 1 ft. deep, drains SE.

47.00 Stock trail, bears NW. and SE.

Same

54.00 Wash, 40 lks. wide, 6 ft. deep; drains N. 75° E.; timber becomes more dense, bears NW. and SE.

60.80 Recross wash, drains SE.

75.50 Base of gradual ascent over N. slope of sandstone ledges, bears N. 60° W., and SE., 2.00 chs. dist., thence S:

80.12 The cor. secs. 19, 20, 29, and 30, 70 ft. above base of ledges.

Land, broken and rolling top of Spencer Bench.

Soil, shallow loose sand, sandstone surface rock, and ledges; 4th rate.

Undergrowth, sage and black brush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

S. 89°59' W., on random line, bet. secs. 19 and 30.

40.00 Set temp. 1 sec. cor.

80.59 Intersect the W. bdy. of the township, 3 lks. S. of the cor. secs. 19, 24, 25, and 30, heretofore described.

Thence:

East, on true line, bet. secs. 19 and 30.

Descend gradual E. slope of rolling and broken land, through scattered timber and undergrowth.

5.10 Small ravine, drains S. 20° W.; continue descent.

25.80 Ravine, 100 ft. below cor., drains SW.; ascend steep W. slope.

28.20 Spur, 80 ft. above ravine, projects SW.; descend steep E. slope.

33.40 Ravine, 20 ft. below spur, drains S. 30° W.; ascend steep W. slope of bench.

37.70 Rim of bench, 190 ft. above ravine, bears NE. and SW.; thence over rolling top of bench.

40.59 On rolling top of bench.

Set an iron post, 30 ins. long, 1 in. diam., 14 ins. in a hole drilled in the solid sandstone and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION, T. 35 S., R. 5 E.

Chains

S19

S30

1937

08.04

from which

A pinon, 6 ins. diam., bears N. 45° W., 190 lks. dist., marked $\frac{1}{4}$ S19 BT.

A point on face of sandstone ledge, marked X B0, bears S. 37° 45' W., 8 lks. dist.

46.60 Top of elongated sandstone knoll, bears NE. and SW., 20 ft. high, also ridge bears same.

50.70 Low rise, bears N. 30° E. and S. 30° W.; descend gradually over broken E. slope.

75.20 Ravine, 140 ft. below top of ascent, drains NE.; ascend gradual NW. slope of surface rock.

80.59 The cor. secs. 19, 20, 29, and 30, 100 ft. above ravine.

Land, broken and rolling top of Spencer Bench.

Soil, shallow sand, sandstone surface rock, and ledges; 4th rate.

Undergrowth, sage and black brush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. 0° 11' E., bet. secs. 19 and 20.

Over rolling and broken bench land, through medium dense timber and scattered undergrowth.

7.10 Wash, in small draw, 90 ft. below cor., drains E. from the SW.; ascend gradual S. slope.

7.20 Wash, 20 lks. wide, 2 ft. deep, drains S. 70° E., 80 lks. dist. to junction with last wash.

26.10 Stock trail, bears N. 75° W. and S. 75° E.

27.30 Wash, 15 lks. wide, 3 ft. deep, drains S. 80° E. from N. 10° W.

40.00 On top of sandy ridge, 90 ft. above draw, bears NE. and SW.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S19

S20

1937

from which

SUBDIVISION, T. 35 S., R. 5 E.

Chains

A juniper, 16 ins. diam., bears S. 80° E., 165 lks. dist., marked $\frac{1}{4}$ S20 BT.

A pinon, 10 ins. diam., bears N. 38° W., 94 lks. dist., marked $\frac{1}{4}$ S19 BT.

43.90 Leave timber, bears NE. and SW.

62.00 Enter timber, bears E. and W.

65.00 Top of N. edge of bench, bears E. and W.; descend gradual broken N. slope.

72.20 Wash, 10 lks. wide, 3 ft. deep, ^{drains W.} at base of descent, 140 ft. below the $\frac{1}{2}$ sec. cor., thence over rolling bench

80.00 On rolling bench land.

Set an iron post, 24 ins. long, 2 ins. diam., 10 ins. in a hole drilled in solid sandstone and in a mound of stone, for cor. secs. 17, 18, 19, and 20, with brass cap marked

T35S	R5E
S18	S17

S19	S20
-----	-----

1937

from which

A pinon, 10 ins. diam., bears N. 62°30' E., 108 lks. dist., marked T35S R5E S17 BT.

A juniper, 10 ins. diam., bears S. 42°15' E., 84 lks. dist., marked T35S R5E S20 BT.

A pinon, 8 ins. diam., bears S. 24° W., 22 lks. dist., marked T35S R5E S19 BT.

A pinon, 3 ins., diam., bears N. 32°45' W., 46 lks. dist., marked BT.

Land, rolling and broken top of Spencer Bench.

Soil, shallow loose sand, and surface rock; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. 89°59' E., on random line, bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.14 Intersect the N. and S. line, 7 lks. S. of the cor. secs. 16, 17, 20, and 21.

Thence:

S. 89°56' W., on true line, bet. secs. 17 and 20.

Ascend abrupt nearly vertical right rim of the Escalante River, through scattered timber and undergrowth.

9.60 Top of the right rim of the Escalante River, 360 ft. above cor., bears N. 10° E.; and SE., 1.00 chs. dist., thence

SUBDIVISION, T. 35 S., R. 5 E.

Chains	
	E.; thence ascend gradually over broken E. slope.
18.30	Shallow ravine, drains NE.; continue ascent.
23.70	Top of the E. edge of rolling bench land; bears NE. and SW.; thence over rolling top of bench.
40.07	On rolling top of bench, 180 ft. above rim of river. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S17
	S20
	1937
	from which
	A juniper, 12 ins. diam., bears N. 51° E., 26 lks. dist., marked $\frac{1}{4}$ S17 BT.
	A juniper, 16 ins. diam., bears S. 27° E., 87 lks. dist., marked $\frac{1}{4}$ S20 BT.
48.60	Top of low sandy ridge, bears N. 20° E. and S. 20° W.; descend gradual SW. slope.
65.00	Ravine at base of descent, 70 ft. below ridge, drains NW.; thence descend gradual W. slope.
80.14	The cor. secs. 17, 18, 19, and 20, 160 ft. below top of ridge. Land, rolling and broken, with a general northeasterly and northwesterly exposure and drainage. Soil, shallow sand, and sandstone surface rock; 4th rate. Undergrowth, sagebrush, mountain rush, and yellow top. Timber, juniper and pinon. Fair grazing land.
	West, on random line; bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.81	Intersect the W. bdy. of the township, 3 lks. N. of the cor. secs. 13, 18, 19, and 24, heretofore described. Thence: N. 89°59' E., on true line, bet. secs. 18 and 19. Descend gradually over rolling E. slope of bench land, through scattered timber and undergrowth.
14.70	Ravine, 80 ft. below cor., drains SW.; ascend gradual SW. slope.
21.40	Recross ravine, drains N. 80° W.; ascend gradual W. slope.
23.30	Top of ascent, 40 ft. above ravine, bears N. and S.; descend gradual E. slope.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

- 26.00 Ravine, 30 ft. below top of ascent, drains N. 75° W.; ascend gradual W. slope.
- 31.60 Recross ravine, drains S. 80° W.; continue gradual ascent over W. slope.
- 40.81 On gradual W. slope, 50 ft. above ravine.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S18
—
S19

1937

from which

A pinon, 8 ins. diam., bears N. 76° E., 113 lks. dist., marked $\frac{1}{4}$ S18 ET.

A pinon, 7 ins. diam., bears S. 76°15' W., 92 lks. dist., marked $\frac{1}{4}$ S19 ET.

- 44.30 Stock trail on top of low sandy ridge, 20 ft. above the $\frac{1}{4}$ sec. cor., bears N. and S.; descend gradual E. slope.
- 48.10 Ravine, 70 ft. below ridge, drains N.; ascend gradual W. slope of sandstone surface rock.
- 60.40 Ridge, 170 ft. above ravine, bears NE. and SW.; descend gradually along broken N. slope.
- 66.20 Ravine near head, 110 ft. below ridge, drains N.; ascend gradual N. slope.
- 68.30 Spur, 40 ft. above ravine, projects N. 20° E.; descend gradual rolling E. slope.
- 78.20 Ravine, 110 ft. below spur, drains N.; ascend gradual W. slope.
- 80.81 The cor. secs. 17, 18, 19, and 20, 80 ft. above ravine.

Land, rolling and broken, with a general westerly and northerly exposure and drainage.

Soil, shallow loose sand; 4th rate.

Undergrowth, sagebrush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. 0°11' E., bet. secs. 17 and 18.

Descend gradually over rolling bench land, through medium dense timber and scattered undergrowth.

- 5.20 Ravine, drains NE.; continue descent.
- 15.00 Rim of bench, bears W. and S. 10° E.; continue descent.
- 15.50 Small ravine, drains NW.;
- 23.20 Small spur, projects NW.; descend gradual N. slope.

20.13

Chains	
36.20	Same ravine as last, drains NE.; continue descent.
40.00	On rolling N. slope, 450 ft. below sec. cor. Set an iron post, 30 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone and in a small mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	<div><div>S18S17</div><div>1937</div><div>from which</div><div>A pinon, 12 ins. diam., bears N. 66°30' E., 21 lks. dist., marked $\frac{1}{4}$ S17 BT.</div><div>A pinon, 8 ins. diam., bears N. 73°45' W., 44 lks. dist., marked $\frac{1}{4}$ S18 BT.</div></div>
43.00	Top of the nearly vertical right rim of the Escalante River, 80 ft. high, bears W. and SE.
50.30	The Escalante River, stream 100 lks. wide, 1 ft. deep, in deep canyon, 160 ft. below the $\frac{1}{4}$ sec. cor., flows SE. from N. 80° W.; thence over bottom lands of river.
51.60	Base of nearly vertical N. rim of river, bears SE. and N. 80° W.; ascend abruptly.
53.10	Top of the left rim of the Escalante River, 270 ft. above stream, bears SE. and N. 80° W.; thence ascend gradually across rolling bench land.
61.90	Base of abrupt ascent over S. slope of sandstone spur, bears SE. and N. 80° W.
65.30	Top of S. rim of spur, 70 ft. above rim of canyon, rim bears S. 30° E. and N. 30° W.; thence across flat top of spur which projects S. 30° E.
65.70	Top of N. rim of spur, bears with S. rim; descend gradually along broken E. slope.
76.10	Gulch, 170 ft. below spur, drains S. 30° E.; ascend abrupt N. breaks of gulch.
79.50	Top of N. rim of gulch, 120 ft. above bottom, bears NW. and NE.; thence over rolling land.
80.00	On gradual SW. slope. Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to solid rock and in a large mound of stone, for cor. secs. 7, 8, 17, and 18, with brass cap marked
	<div><div>T35S R5E</div><div>S7S8</div><div>S18S17</div><div>1937</div><div>from which</div><div>A juniper, 6 ins. diam., bears N. 25°15' E., 15 lks. dist., marked T35S R5E S8 BT.</div></div>

08.25

SUBDIVISION, T. 35 S., R. 5 E.

Chains

A juniper, 6 ins. diam., bears S. $31^{\circ}45'$ E., 34 lks. dist., marked T35S R5E S17 BT.

A point on face of sandstone ledge, marked X B0, bears S. 35° E., 11 lks. dist.

A juniper, 6 ins. diam., bears N. 50° W., 57 lks. dist., marked T35S R5E S7 BT.

No accessory available in sec. 18.

Land, broken, with a general southerly and northerly exposure and drainage.

Soil, shallow loose sand and sandstone; 4th rate.

Undergrowth, sage and bitter brush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

N. $89^{\circ}56'$ E., on random line, bet. secs. 6 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.16 Intersect the N. and S. line, 5 lks. N. of the cor. secs. 6, 9, 16, and 17.

Thence:

S. $89^{\circ}58'$ W., on true line, bet. secs. 8 and 17.

Descend steep W. slope of broken land, through scattered timber and undergrowth.

7.90 Ravine, 260 ft. below cor., drains S. 10° W.; continue descent.

19.50 Small spur, projects S.

22.30 Ravine, 360 ft. below sec. cor., drains S.; ascend steep SE. slope.

40.00 On rolling bench land, 60 ft. above ravine.

Set an iron post, 34 ins. long, 1 in. diam., 14 ins. in a hole drilled in the solid sandstone and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked

S8
 $\frac{3}{4}$
S17

1937

from which

A juniper, 6 ins. diam., bears N. 55° E., 107 lks. dist., marked $\frac{1}{4}$ S8 BT.

A juniper, 16 ins. diam., bears S. 50° E., 79 lks. dist., marked $\frac{1}{4}$ S17 BT.

47.40 Top of ascent, 60 ft. above the $\frac{1}{4}$ sec. cor., bears N. and S.; descend gradual W. slope.

SUBDIVISION, T. 35 S., R. 5 E.

Chains	
52.40	Small draw, 110 ft. below top of ascent, drains SW.; ascend gradual SE. slope.
63.30	Spur, 130 ft. above draw, projects SW.; descend abruptly over broken W. face of ledges.
76.40	Ravine, 300 ft. below spur, drains SW.; ascend gradual SE. slope.
80.16	The cor. secs. 7, 8, 17, and 18, 70 ft. above ravine. Land, broken, with a general southeasterly exposure and drainage. Soil, shallow sand, sandstone surface rock, and ledges; 4th rate. Undergrowth, sage, and black brush, mountain rush, and yellow top. Timber, juniper and pinon. Fair grazing land.
	S. 89°59' W., on true line, bet. secs. 7 and 18. Descend steep W. slope of broken land, through scattered timber and undergrowth.
4.00	Rocky gulch, 130 ft. below cor., drains SE.; ascend abrupt rocky E. slope.
17.10	Top of ascent, 280 ft. above gulch, bears NW. and SE.; thence over rolling bench land.
24.10	Wash, 10 lks. wide, 1 ft. deep, drains SE.
40.00	On E. slope of sandstone spur. Set an iron post, 30 ins. long, 1 in. diam., 14 ins. in a hole drilled in the solid sandstone and in a small mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: right; margin-right: 100px;">$\frac{1}{4}$ $\frac{S7}{S18}$</div> <div style="text-align: right; margin-right: 100px;">1937</div> <div style="text-align: right; margin-right: 100px;">from which</div> A pinon, 8 ins. diam., bears S. 32° W., 100 lks. dist., marked $\frac{1}{4}$ S18 BT. A pinon, 8 ins. diam., bears N. 10°45' W., 98 lks. dist., marked $\frac{1}{4}$ S7 BT.
40.60	Sandstone spur, 20 ft. above the $\frac{1}{4}$ sec. cor., projects SE., 75 lks. dist. to end; continue across rolling bench.
50.20	Low rocky spur, projects S. 30° W.
59.60	Top of gradual descent over broken W. slope, bears NE. and SW.
67.00	Bottom of boxed canyon, 340 ft. below top of descent, drains S. 30° W.; ascend steep ledgy E. slope.

Chains

- 75.00 Top of ascent from boxed canyon, 280 ft. above bottom, bears N. and SW.; thence over flat bench.
- 80.40 Leave flat bench and descend gradual W. slope, bears N. and SW.
- 82.43 Intersect the W. bdy. of the township, N. 1°40' E., 1.14 chs. dist. from the cor. secs. 12 and 13, T. 35 S., R. 4 E., heretofore described.

At point of intersection, on gradual W. slope, 50 ft. below top of descent.

Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground to solid rock and in a large mound of stone, for closing cor. secs. 7 and 18, T. 35 S., R. 5 E., with brass cap marked

T35S	T35S
R4E	S7 C
S12	S18 C
	R5E

1937

from which

A juniper, 10 ins. diam., bears N. 8° E., 60 lks. dist., marked T35S R5E S7 CC BT.

A pinon, 8 ins. diam., bears S. 6°30' E., 110 lks. dist., marked T35S R5E S18 CC BT.

Land, broken, with a general southerly exposure and drainage.

Soil, shallow sand, and surface rock; 4th rate.

Undergrowth, sage and black brush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

From the cor. secs. 7, 8, 17, and 18.

N. 0°11' E., bet. secs. 7 and 8.

Ascend abrupt SW. slope of ledges, through scattered timber and undergrowth.

- 5.50 Top of ascent, 110 ft. above cor., bears N. 30° E. and S. 30° W.; thence over broken W. slope.

- 13.50 Head of deep gulch, 20 ft. below top of ascent, drains SW.; ascend gradual S. slope.

- 27.50 Spur, 160 ft. above gulch, projects W.; descend gradually along broken W. slope.

- 29.50 Head of ravine, 50 ft. below spur, drains W.; ascend.

- 30.90 Rocky spur, 50 ft. above ravine, projects W.; descend abruptly.

- 33.60 Deep gorge, 140 ft. below spur, drains S. 60° W., about 8.00 chs. dist. to junction with ravine; ascend abruptly.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

38.90 Spur, 110 ft. above gorge, projects S. 60° W.; ascend steep N. slope.

40.00 On steep N. slope, 20 ft. below spur.

Set an iron post, 30 ins. long, 1 in. diam., 6 ins. in hole drilled in the solid sandstone and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S7 | S8

1937

from which

A juniper, 16 ins. diam., bears S. 11°15' E., 43 lks. dist., marked $\frac{1}{4}$ S8 BT.

A juniper, 6 ins. diam., bears N. 78°45' W., 83 lks. dist., marked $\frac{1}{4}$ S7 BT.

45.70 Gorge, 240 ft. below the $\frac{1}{4}$ sec. cor., drains S. 60° W.; ascend gradual S. slope.

60.60 Ravine, drains SW.; ascend gradual SW. slope.

63.70 Recross ravine, drains SE.; ascend abruptly over white sandstone ledges.

80.00 On SW. slope of white sandstone ledges, 450 ft. above gorge.

Set an iron post, 30 ins. long, 2 ins. diam., 12 ins. in hole drilled in the solid sandstone and in a mound of stone for cor. secs. 5, 6, 7, and 8, with brass cap marked

T35S R5E

S6 | S5

S7 | S8

1937

from which

A point on face of sandstone ledge, marked X B0, bears N. 13° E., 41 lks. dist.

A point on face of sandstone ledge, marked X B0, bears N. 72°30' W., 53 lks. dist.

No other suitable accessories available.

Land, broken, with a general southwesterly exposure and drainage.

Soil, shallow loose sand, and sandstone surface rock; 4th rate.

Undergrowth, sage and black brush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

N. $89^{\circ}58'$ E., on random line, bet. secs. 5 and 8.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.18 Intersect the N. and S. line, 3 lks. S. of the cor. secs. 4, 5, 8, and 9.

Thence:

S. $89^{\circ}57'$ W., on true line, bet. secs. 5 and 8.

Ascend steep E. slope of broken land, through scattered timber and undergrowth.

1.40 Spur, 120 ft. above cor., projects S. 10° E.; descend steep SW. slope.

7.10 Bottom of depression, 40 ft. below spur, drains S.; ascend abrupt SE. slope.

15.70 Gulch, drains SE.; ascend abrupt SE. slope along S. side of rim.

24.30 Top of E. rim of bench, 530 ft. above sec. cor., bears NE. and SW.; thence over top of bench.

31.40 Top of W. edge of bench, bears NW. and SE.; descend abrupt SW. face of sandstone ledges.

37.30 Gulch, 70 ft. below bench, drains SE.; ascend abrupt NE. slope.

40.00 On steep NE. slope, 80 ft. above gulch.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock and in a large round of stone, for sec. cor., with brass cap marked

85

30

1937

from which

A juniper, 10 in. diam., bears S. $30^{\circ}15'$ W., 47 lks. dist., marked S 31.

A pinon, 6 in. diam., bears S. 75° W., 4 lks. dist., marked S 51.

42.80 Slope changes from a steep NE. slope to a steep N. slope.

54.00 Top of E. rim of mesa, 260 ft. above the 1 sec. cor., bears N., 1.00 ch. dist., thence E. and S., 2.00 chs. dist., thence E.; thence over top of mesa.

61.40 Top of W. rim of mesa, bears NW., and S., 3.00 chs. dist., thence S. 60° E.; descend gradual SW. slope.

75.20 Slope changes from a gradual SW. slope to a gradual W. slope.

80.18 The cor. secs. 5, 6, 7, and 8, 50 ft. below top of mesa.

Land, broken, with a general southeasterly exposure and drainage.

SUBDIVISION, T. 35 S., R. 5 E.

Chains

entire

Soil, shallow loose sand, sandstone surface rock, and ledges; 4th rate.

Undergrowth, sage, and black brush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

S. 89°59' W., on true line, bet. secs. 6 and 7.

Descend abruptly over broken W. and SW. slopes of sandstone surface rock, through scattered timber and undergrowth.

13.80 Wash at base of surface rock, 370 ft. below cor., drains S. 10° E.; thence over rolling bench land.

23.20 Ravine, 400 ft. below sec. cor., drains S.; ascend gradual E. slope.

38.30 Top of ascent, 120 ft. above ravine; bears NE. and SW.; descend gradual NW. slope of rolling bench land.

40.00 On rolling bench land.

Set an iron post, 3 ft. long, 1 in. diam.; 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S6
S7

1937

from which

A juniper, 14 ins. diam., bears N. 70°45' E., 90 lks. dist., marked $\frac{1}{4}$ S6 BT.

A pinon, 8 ins. diam., bears S. 60°45' W., 40 lks. dist., marked $\frac{1}{4}$ S7 BT.

43.50 Ravine, 30 ft. below cor., drains NE.; ascend gradual E. slope.

45.90 Top of ascent, on sandy ridge, 40 ft. above ravine, bears N. 10° E. and S. 10° W.; descend gradual W. slope.

54.30 Head of wash, 20 lks. wide, 6 ft. deep, drains S.; thence across rolling bench land.

55.70 Old road, bears N. 10° E. and S., from Escalante to Boulder

70.80 Small draw, drains SE.; ascend gradually over sandy E. slope.

81.33 Intersect the W. bdy. of the township, N. 1°16' W., 1.54 dhs. dist. from the cor. of secs. 1 and 12, T. 35 S., R. 4 E., heretofore described.

At point of intersection:

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. secs. 6 and 7, T. 35 S., R. 5 E., with brass cap marked

SUBDIVISION, T. 35 S., R. 5 E.

Chains

T35S	T35S
S6	S6
S7	S7
R5E	R5E

1937

from which

A juniper, 4 ins. diam., bears N. 84° E., 217 lks. dist., marked S6 CC BT.

A juniper, 12 ins. diam., bears S. 86° E., 199 lks. dist., marked T35S R5E S7 CC BT.

Land, rolling and broken, with a general southerly exposure and drainage.

Soil, shallow loose sand, sandstone surface rock, and ledges; 4th rate.

Undergrowth, sage and black brush, mountain rush, and yellow top.

Timber, juniper and pinon.

Fair grazing land.

From the cor. secs. 5, 6, 7, and 8.

N. 0°12' W., on random line, bet. secs. 5 and 6.

40.00 Set temp. sec. cor.

73.33 Intersect the N. bdy. of the township, 15 lks. W. of the cor. secs. 5, 6, 31, and 32, heretofore described.

Thence:

S. 0°05' E., on true line, bet. secs. 5 and 6.

Descend abrupt S. slope of broken land, through scattered timber and undergrowth.

0.40 Ravine, 20 ft. below cor., drains E.; ascend abrupt S. breaks of ravine.

9.70 Top of S. rim of ravine, bears NE. and SW.; continue ascent.

33.33 Near base of rim of mesa, 500 ft. above ravine.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to solid rock and in a large mound of stone, for sec. cor., with brass cap marked

S6	S5
----	----

1937

from which

A pinon, 8 ins. diam., bears N. 23°30' E., 74 lks. dist., marked S5 BT.

A juniper, 8 ins. diam., bears N. 9°30' W., 33 lks. dist., marked S6 BT.

SUBDIVISION, T. 35 S., R. 5 E.

Chains		aniam
33.50	Top of N. rim of mesa, 20 ft. above the $\frac{1}{2}$ sec. cor., bears N. 20° E. and S. 20° W.; thence across top of mesa through medium dense timber.	
50.20	Top of S. rim of mesa, bears N. 20° W. and S. 20° E.; descend gradual SW. slope.	
56.30	Head of sandstone gorge, 80 ft. below rim of mesa, drains NW.; ascend gradually along broken E. slope.	
67.10	Top of ascent, 40 ft. above head of gorge, bears N. 30° W. and S. 30° E.; descend abruptly over white sandstone ledge.	
73.33	The cor. secs. 5, 6, 7, and 8, 120 ft. below top of ascent.	
	Land, broken sandstone rims and ledges.	
	Soil, shallow loose sand and surface rock; 4th rate.	
	Undergrowth, sage and bitter brush, mountain rush, and yellow top.	
	Timber, juniper and pinon.	
	Fair grazing land.	

GENERAL DESCRIPTION, T. 35 S., R. 5 E.

The lands within the boundaries of T. 35 S., R. 5 E., Salt Lake Meridian, Utah, consist of rolling and broken bench land and mesa tops, which have a general southeaster exposure and drainage. The benches and the tops of the mesas are cut by numerous deep gorges and sandstone gulches, and the channels of the Escalante River and Boulder Creek. It is of a sandstone formation, and is at about 6500 feet above sea level in the north and west portion, and about 5000 feet above sea level in the southeast portion. The southwest portion of the township, is known as Spencer Bench, which slopes northeasterly to the Escalante River, and northwesterly to Kipp's Wash. The tops of two small high mesas known as **King's Mesa**, are located in the southwest portion of sec. 22, the northwest portion of sec. 27, the west portions of secs. 26 and 35, and the east portion of secs. 27 and 34. A high mesa is also located in the central portion of sec. 15, and the south portion of sec. 10.

The soil throughout the township, consists of a shallow loose sand, and may be classified as fourth rate. A great portion of the township consists of barren sandstone surface rock and sandstone ledges, which is void of vegetation.

The timber consists of a scattered growth of scrub juniper and pinon, which is found mostly on the tops of the benches and mesas. The timber has no commercial value except for fire wood and fencing.

The township has an abundant supply of water, the largest of which is the Escalante River, a stream 1.00 ch. wide, and 1 ft. deep, which enters the township, on the W. bdy. of sec. 18, and flows in a winding southeasterly direction a distance of about 13 $\frac{1}{2}$ miles, leaving the township on the E. bdy. of sec. 36. The channel of this stream in nearly all places, is rimmed with a nearly vertical sandstone wall from 100 ft. to about 300 ft. high. The next largest water supply, is Boulder Creek, a stream of good clear water, 30 lks. wide, 1 ft. deep, which enters the township on the north boundary of sec. 5, and flows in a winding

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GENERAL DESCRIPTION. T. 35 S., R. 5 E.

southeasterly direction through a deep narrow gorge, to its junction with the Escalante River in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22. Deer Creek, a stream of good clear water, 20 lks. wide, 1 ft. deep, enters the north boundary of the township, at a point 3.00 chs. west of the cor. secs. 4, 5, 32, and 33, and flows in a southeasterly direction to its junction with Boulder Creek, in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9. A small stream of good water enters the township on the W. portion of the north boundary sec. 2, and flows in a southeasterly direction through a deep narrow sandstone gorge called The Gulch, and leaves the township on the south portion of the east boundary sec. 13. This stream again enters the township on the east boundary of the SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, and flows in a southerly direction to its junction with the Escalante River in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36. A sandstone water pocket or tank is located in the bottom of a deep ravine in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36. A small stream is also in the bottom of this ravine in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36. A water tank is located on line on the N. bdy. of the NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5. Three pools of water are located in the bottom of a rocky draw, to the west of the west boundary SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19. Kipp's Wash, enters the township on the west boundary of the NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, and drains in a northeasterly direction to its junction with the Escalante River in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18.

Most portions of the township, are covered with a scattered short undergrowth of sage and black brush, mountain rush, yellow top, weeds, and grass, which affords fair grazing for stock. No portions of the township are suitable for farming and it is suitable only for an early spring, late fall, and winter grazing range for stock, and is being used for this purpose under the supervision of the Grazing Division, by the stockmen living at Escalante and Boulder, Utah. The town of Boulder, Utah, is located about 9 miles to the north of the township, and Escalante, Utah, is located about 12 miles to the west of the township.

An unimproved wagon road, from Escalante to Boulder, enters the township on the west boundary of the SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, and bears in a northerly direction, leaving the township on the north boundary of the NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6. Automobiles have passed over this road, but at all times, it is in a very poor condition even for wagons. Portions of the southwest part of the township can be reached by wagon from Escalante or Boulder, over a dim unimproved road, a portion of which is located on the south boundary of sec. 32. Except the breaks of the Escalante River, Boulder Creek, and the deep gorges and gulches, nearly all parts of the township can be reached by saddle horse.

No settlers were living on the township at the time of the survey, and the only improvement found, was a small frame cabin, owner unknown, located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11.

No indications of mineral, coal, oil, or oil shale, were found.

The mean magnetic declination was found to be 16°45' E.

[illegible]

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

I, Andrew Nelson, Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 8th day of August 1935 received from the district cadastral engineer for Utah, with assignment instructions dated September 22, 1937 I have surveyed independent and dependent resurvey of the west boundary, survey of the seventh standard parallel south through R. 5 E., the east boundary, portion of the north boundary and the subdivision of, T. 35 S., R. 5 E. of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes. Salt Lake City, Utah.
March 6, 1939 Andrew Nelson
Surveyor

CERTIFICATE OF APPROVAL

OFFICE OF ~~U.S.~~ SUPERVISOR OF SURVEYS,

Denver, Colorado, February 17, 1942.

The foregoing field notes of the survey of independent and dependent resurvey of the west boundary, survey of the seventh standard parallel south through R. 5 E., the east boundary, portion of the north boundary, and the subdivision of, T. 35 S., R. 5 E., Salt Lake Meridian, Utah executed by Andrew Nelson, Surveyor under special instructions dated August 8, 1935, and assignment instructions dated September 22, 1937, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

Wm. H. Johnson
U.S. Supervisor of Surveys.

~~CERTIFICATE OF TRANSCRIPT~~

~~I certify that the foregoing transcript of the field notes of the above described surveys in~~
~~is a true copy of the original field notes on file in the public survey office.~~

U.S. Supervisor of Surveys.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

BOOK A-516

Book B

FIELD NOTES

of the Survey of the

Boundary of the Arches National Monument

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

J. C. Clark, Surveyor, and Robert C. Yundt,

Surveyor and

Assistant Cadastral Engineer

Under special instructions dated July 3, 1940, which provided

for the surveys included under Group No. 316, bearing the approval of the

Commissioner of the General Land Office under date of September 17, 1940

September 28, 1940,

and assignment instructions dated October 25, 1940, and ~~xxx~~

April 29, 1941.

Survey commenced October 3, 1940

Survey completed May 13, 1941

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INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
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INDEX DIAGRAM.

Township 24 South, Range 22 East

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INDEX DIAGRAM.

Township 23 South, Range 20 East

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19	20	21	22 15	23 16	24 13
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INDEX DIAGRAM.

Township 23 South, Range 21 East

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19 13	13 20 13 13	21	22 19	23 19	24
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INDEX DIAGRAM.

Township 24 South, Range 21 East

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19	20	21	22 12 23	24
			12	
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		11		
31	32 11 33	34	35	36 21 21
	11		21	

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INDEX DIAGRAM.

Township 25 South, Range 21 East

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6	11	5	4	8	21
7	11	8	9	10	21
18	11	17	16	15	21
19	11	10	9	8	21
		7	6	5	21
30	29	28	27	26	25
31	32	33	34	35	36

Boundary of the Arches National Monument

Chains

The boundary of the Arches National Monument, as defined by the President's Proclamation of November 28, 1938, follows either along section or subdivision-of-section lines, for the most part in already established surveys, except in T. 24 S., R. 21 E., where the subdivisional survey is being made in connection with that of the boundary, or in the case of T. 25 S., R. 21 E., where a portion of the boundary follows along the northern line of the right-of-way of State Highway No. 450, now designated as U. S. Highway No. 160.

The following notes are those of a dependent resurvey of a part of T. 23 S., R. 20 E., where the original work was done prior to the use of iron survey posts, and in this case is a re-establishment of the surveys executed by H. D. Heist and J. H. Winwood in 1908; a subdivision-of-section survey in section 20, T. 23 S., R. 21 E.; a survey of the northern right-of-way line of U. S. Highway No. 160 in sections 20, 21, 27, and 28, T. 25 S., R. 21 E., using data obtained from the Utah State Road Commission; and, for a more complete description of the boundary, a statement of the courses and distances along the section and subdivision-of-section lines along the balance of the boundary. In the latter case the data were obtained from the official plats of the townships involved; all of the corners along this part of the boundary are monumented with the regulation iron survey posts, and the letters ANM were added to the proper part of the posts.

The survey was made by J. C. Clark and Robert C. Yundt, Assistant Cadastral Engineers. It was commenced October 3, 1940, and was executed with a Gurley solar transit No. 38118 and Buff and Buff solar transit No. 9797. As the survey was made in connection with the subdivisional survey of T. 24 S., R. 21 E., of the same group, reference will be made to the field notes of the survey of that township for a description and test of the instruments, and the method of survey.

Beginning at the point of intersection of the right-of-way line on the north side of State Highway No. 450, now officially designated as U. S. Highway No. 160, with the section line between sections 26 and 27, T. 25 S., R. 21 E., located at a point 14.48 chains south of the corner of sections 22, 23, 26, and 27, which is an iron post, 2 ins. in diameter, conforming to the record. At the point of intersection:

Set an iron post, 3 ft. long and 1 in. in diameter, 18 ins. in the ground to solid rock, and in a mound of stone, for angle point No. 1, with brass cap marked:

T25SR21E
ANM
S27 | S26
AP1
1941

Thence:

N. 41° 08' W. on a tangent along the northern line of the highway right-of-way.

3.78

Point of curve on the northern line of the highway right-of-way:

Set an iron post, 16 ins. long and 1 in. in diameter, 12 ins. in a hole drilled into solid rock, and set in cement, for angle point No. 2, with brass cap marked:

ANM
T25SR21E
AP2
S27
1941

Boundary of the Arches National Monument

Chains

Thence with curve to the left, radius of 869.0 ft. and central angle of 54° 14'.

N. 68° 15' W., on chord of curve of the highway right-of-way.

12.00 Point of tangent on the northern line of the highway right-of-way:

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground, for angle point No. 3, with brass cap marked:

ANM
T25SR21E
AP3

S27
1941

Raise a mound of stone, 3 ft. base and 2 ft. high north of the post.

Thence:

S. 84° 38' W. on tangent along the northern line of the highway right-of-way.

10.13 Angle point in the northern line of the highway right-of-way:

Set an iron post, 3 ft. long and 1 in. in diameter, 20 ins. in the ground to solid rock, and in a mound of stone, for angle point No. 4, with brass cap marked:

ANM
T25SR21E
AP4

S27
1941

Thence:

N. 81° 08' W. on a tangent along the northern line of the highway right-of-way.

9.63 Point of curve on the northern line of the highway right-of-way:

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground for angle point No. 5, with brass cap marked:

ANM
T25SR21E
AP5

S27
1941

Raise a mound of stone, 3 ft. base and 2 ft. high north of the post.

Thence, with curve to the left, radius 550.0 ft., central angle 22° 30'.

S. 87° 37' W., on chord of curve of highway right-of-way.

3.26 Point of tangent on northern line of highway right-of-way.

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground, for angle point No. 6, with brass cap marked:

ANM
T25SR21E
AP6

S27
1941

Boundary of the Arches National Monument

Chains

- 15.13 Raise a mound of stone, 3 ft. base and 2 ft. high north of the post.
Thence:
S. 76° 22' W. on tangent along the northern line of the highway right-of-way.
Point of curve on the northern line of the highway right-of-way.
Thence, with curve to the left, radius 5050.0 ft., central angle 2°22'.
S. 75° 11' W., on chord of curve of the northern line of the highway right-of-way.
- 3.16 Point of tangent on the northern line of the highway right-of-way.
Thence:
S. 74° 00' W. on tangent along the northern line of the highway right-of-way.
- 4.54 Angle point in the northern line of the highway right-of-way.
Thence:
S. 73° 09' W. on tangent on the northern line of the highway right-of-way.
- 8.23 Point of curve on the northern line of the highway right-of-way.
Set an iron post, 3 ft. long and 1 in. in diameter, 20 ins. in the ground to solid rock, and in a mound of stone, for angle point No. 7, with brass cap marked:

ANM
T25SR21E
AP7

S27
1941

Thence; with curve to the right, radius 450.0 ft., central angle 23° 10'.
S. 84° 44' W., on chord of curve on the northern line of the highway right-of-way.
- 2.76 Point of tangent on the northern line of the highway right-of-way:
Set an iron post, 14 ins. long and 1 in. in diameter, 10 ins. in a hole drilled into solid rock, set with cement, for angle point No. 8, with brass cap marked:

ANM
T25SR21E
AP8

S27
1941

Thence:
N. 83° 41' W. on tangent on the northern line of the highway right-of-way.
- 10.69 Intersect the section line between sections 27 and 28 at a point 13.99 chains S. 0° 02' E. of the corner of sections 21, 22, 27, and 28, an iron post, 2 ins. in diameter, conforming to the record, and:
At the point of intersection:

Boundary of the Arches National Monument

Chains

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground, for angle point No. 9, with brass cap marked:

ANM
T25SR21E
AP 9

S28 S27
1941

Raise a mound of stone, 3 ft. base and 2 ft. high north of the post.

Thence, through section 28;

N. $83^{\circ} 41'$ W. on tangent on the northern line of the highway right-of-way.

13.49 Point of curve on the northern line of the highway right-of-way:

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground for angle point No. 10, with brass cap marked:

ANM
T25SR21E
AP10

S28
1941

Raise a mound of stone, 3 ft. base and 2 ft. high north of the post.

Thence, with curve to the right, radius 150.0 ft., central angle $27^{\circ} 38'$.

N. $69^{\circ} 52'$ W. on chord of curve of the northern line of the highway right-of-way.

1.09 Point of tangent on the northern line of the highway right-of-way:

Set an iron post, 3 ft. long and 1 in. in diameter, 24 ins. in the ground to solid rock, and in a mound of stone, for angle point No. 11, with brass cap marked:

ANM
T25SR21E
AP11

S28
1941

Thence:

N. $56^{\circ} 03'$ W. on tangent along the northern line of the highway right-of-way.

4.60 Point of curve on the northern line of the highway right-of-way

Thence, with curve to the right, radius 750.0 ft. central angle, $19^{\circ} 50'$.

N. $46^{\circ} 08'$ W. on chord of curve of northern line of the highway right-of-way.

3.91 Point of tangent on the northern line of the highway right-of-way.

Thence:

N. $36^{\circ} 15'$ W. on tangent along the northern line of the highway right-of-way.

5.77 Angle point in the northern line of the highway right-of-way.

Boundary of the Arches National Monument

Chains

Thence:

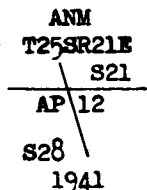
N. 34° 13' W. on tangent along the northern line of the highway right-of-way.

2.68

Intersect the section line between sections 21 and 28 at a point 26.05 chains S. 89° 54' W. of the corner of sections 21, 22, 27, and 28, heretofore described:

At the point of intersection:

Set an iron post, 3 ft. long and 1 in. in diameter, 36 ins. in the ground, for angle point No. 12, with brass cap marked:



Raise a mound of stone, 3 ft. base and 2 ft. high east of the post.

From the angle point a U.S. Coast & Geodetic Survey bench mark, a brass tablet set in bridge pier, marked L19, Elevation 4020.632 ft., bears S. 15° 14' E., 1.795 chains distant.

Thence, through section 21.

N. 34° 13' W. on tangent along the northern line of the highway right-of-way.

3.53

Angle point in the northern line of the highway right-of-way.

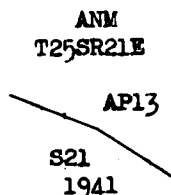
Thence:

N. 37° 16' W. on tangent along the northern line of the highway right-of-way.

11.71

Point of curve on the northern line of the highway right-of-way.

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground for angle point No. 13, with brass cap marked:



Raise a mound of stone, 3 ft. base and 2 ft. high northeast of the post.

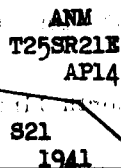
Thence, with curve to the left, radius 750.0 ft. central angle 18° 48'.

N. 46° 40' W. on chord of curve of the northern line of the highway right-of-way.

3.72

Point of tangent on the northern line of the highway right-of-way.

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground for angle point No. 14, with brass cap marked:



Boundary of the Arches National Monument

Chains

enlad5

Raise a mound of stone, 3 ft. base and 2 ft. high northeast of the post.

Thence; with curve to the left, radius 7150.0 ft., central angle, 9° 34'.

N. 56° 04' W. on tangent along the northern line of the highway right-of-way.

19.61 Point of curve on the northern line of the highway right-of-way.

Thence, with curve to the right, radius, 7150.0 ft., central angle, 9° 34'.

N. 51° 17' W. on chord of curve of the northern line of the highway right-of-way.

18.07 Point of tangent on the northern line of the highway right-of-way.

Thence:

N. 46° 30' W., on tangent along the northern line of the highway right-of-way.

4.18 Point of curve on the northern line of the highway right-of-way.

Thence; with curve to the left, radius 200.0 ft., central angle 32° 42'

N. 62° 51' W. on chord of curve of northern line of the highway right-of-way.

1.71 Point of tangent on northern line of the highway right-of-way:

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground, for angle point No. 15, with brass cap marked:

ANM

T25SR21E

AP15

S21

1941

Raise a mound of stone, 3 ft. base and 2 ft. high north of the post.

N. 79° 12' W. on tangent along the north line of the highway right-of-way.

7.07 Intersect the section line between sections 20 and 21 at a point 2.02 chains N. 0° 03' W. of the $\frac{1}{4}$ section corner of sections 20 and 21, an iron post, 1 in. in diameter, conforming to the record.

At the point of intersection:

Set an iron post, 3 ft. long and 1 in. in diameter, 16 ins. in the ground and in a mound of stone, for angle point No. 16, with brass cap marked:

ANM

T25SR21E

AP 16

S20 | S21

1941

Iron post set in cement. Thence, through section 20:

N. 79° 12' W. on tangent along the north line of the highway right-of-way.

5.27 Point of curve on the north line of the highway right-of-way.

Boundary of the Arches National Monument

Chains

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground, for angle point No. 17, with brass cap marked:

ANM
T25SR21E
AP17

S20
1941

Raise a mound of stone, 3 ft. base and 2 ft. high north of the post.

Thence; with curve to the left, radius 250.0 ft., central angle $36^{\circ}38'$.

S. $89^{\circ}29'$ W. on chord of curve of the northern line of the right-of-way.

2.38 Point of tangent on the northern line of the highway right-of-way.

Thence:

S. $64^{\circ}10'$ W. on tangent along the northern line of the highway right-of-way.

4.91 Point of curve on northern line of the highway right-of-way.

Thence; with curve to the left, radius 5050.0 ft., central angle $2^{\circ}10'$.

S. $63^{\circ}05'$ W. on chord of curve of highway right-of-way.

2.89 Point of tangent on northern line of the highway right of way.

Thence:

S. $62^{\circ}00'$ W. on tangent along the northern line of the highway right-of-way.

3.78 Point of curve on the northern line of the highway right-of-way.

Thence; with curve to the left, radius 550.0 ft., central angle $21^{\circ}02'$.

S. $51^{\circ}29'$ W. on chord of curve of highway right-of-way.

3.04 Point of tangent on northern line of the highway right-of-way.

Thence:

S. $40^{\circ}58'$ W. on tangent along the northern line of the highway right-of-way.

2.14 Point of curve on northern line of the highway right-of-way.

Thence; with curve to the left, radius 250.0 ft., central angle $30^{\circ}02'$.

S. $25^{\circ}57'$ W. on chord of curve of the highway right-of-way.

1.96 Point of tangent on the northern line of the highway right-of-way.

Thence:

S. $10^{\circ}56'$ W. on tangent along the northern line of the highway right-of-way.

0.19 Point of curve on northern line of the highway right-of-way.

Thence; with curve to the right, radius 50.0 ft., central angle $47^{\circ}52'$.

S. $34^{\circ}52'$ W. on chord of curve of highway right-of-way.

Boundary of the Arches National Monument

Chains	
0.61	Point of tangent on the northern line of the highway right-of-way. Thence: S. 58° 48' W. on tangent along the northern line of the highway right-of-way.
1.17	Point of curve on northern line of the highway right-of-way. Thence; with curve to the right, radius 350.0 ft., central angle 21° 18'. S. 69° 27' W. on chord of curve of highway right-of-way.
1.96	Point of tangent on northern line of the highway right-of-way. Thence: S. 80° 06' W. on tangent on northern line of the highway right-of-way.
2.15	Point of curve on northern line of the highway right-of-way. Set an iron post, 10 ins. long and 1 in. in diameter, 7 ins. in a hole drilled into solid rock, set with cement, for angle point No. 18, with brass cap marked: <div style="text-align: center;">ANM T25SR21E AP18 S20 1941</div> Thence, with curve to the right, radius, 449.8 ft., central angle 22° 45'. N. 88° 31' 30" W. on chord of curve of highway right-of-way.
2.69	Point of tangent on northern line of the highway right-of-way. Thence: N. 77° 09' W. on tangent along the northern line of the highway right-of-way.
3.06	Point of curve on the northern line of the highway right-of-way. Thence; with curve to the left, radius 950.0 ft., central angle 8° 00'. N. 81° 09' W. on chord of curve of highway right-of-way.
2.01	Point of tangent on the northern line of the highway right-of-way. Thence: N. 85° 05' W. on tangent along the northern line of the highway right-of-way.
0.30	Point of curve on northern line of the highway right-of-way. Thence; with curve to the right, radius 196.4 ft., central angle 26° 57'. N. 71° 40' 30" W. on chord of curve of highway right-of-way.
1.39	Point of tangent on northern line of the highway right-of-way. Thence: N. 58° 12' W. on tangent along the northern line of the highway right-of-way.

Monument Boundary of the Arches National Monument

Chains	
5.18	Point of curve on northern line of the highway right-of-way. Thence; with curve to the left, radius 1477.6 ft., central angle 4° 08'. N. 60° 16' W. on chord of curve of highway right-of-way.
2.61	Point of tangent on the northern line of the highway right-of-way. Thence; N. 62° 20' W. on tangent along the northern line of the highway right-of-way.
1.87	Point of curve on the northern line of the highway right-of-way. Thence; with curve to the right, radius 1382.3 ft., central angle 5° 35'. N. 59° 32' 30" W. on chord of curve of the highway right-of-way.
2.04	Point of tangent on the northern line of the highway right-of-way. Thence: N. 56° 45' W. on tangent along the northern line of the highway right-of-way.
0.93	Point of curve on the northern line of the highway right-of-way. Thence; with curve to the right, radius 270.0 ft., central angle 22° 49'. N. 45° 20' 30" W., on chord of curve of highway right-of-way.
1.62	Point of tangent on the northern line of the highway right-of-way. Thence; N. 33° 56' W., on tangent along the northern line of the highway right-of-way.
2.71	Point of curve on the northern line of the highway right-of-way. Thence, with curve to the left, radius 470.0 ft., central angle, 35° 03'. N. 51° 27' 30" W. on chord of curve of the highway right-of-way.
4.29	Point of tangent on northern line of the highway right-of-way. Thence: N. 68° 59' W. on tangent along the northern line of the highway right-of-way.
4.88	Point of curve on the northern line of the highway right-of-way. Thence; with curve to the left, radius 868.0 ft., central angle 10° 34'. N. 74° 16' W. on chord of curve of the highway right-of-way.
2.42	Point of tangent on the northern line of the highway right-of-way. Thence: N. 79° 33' W. on tangent along the northern line of the highway right-of-way.

Boundary of the Arches National Monument

Chains

Bridg 50

- 1.25. Point of curve on the northern line of the highway right-of-way.
Thence; with curve to the right, radius 768.8 ft., central angle 18° 28'.
N. 70° 19' W. on chord of curve of the highway right-of-way.
- 3.74 Point of tangent on the northern line of the highway right-of-way.
Set an iron post, 2 ft. long and 1 in. in diameter, 28 ins. in the ground to solid rock, and in a mound of rock and cement, for angle point No. 19, with brass cap marked:
- ANM
T25SR21E
AP19
- S20
1941
- Thence:
N. 61° 05' W. on tangent along the northern line of the highway right-of-way.
- 4.74 Point of curve on the northern line of the highway right-of-way.
Thence; with curve to the right, radius 270.0 ft., central angle 17° 45'.
N. 51° 12' 30" W. on chord of curve of the highway right-of-way.
- 1.26 Point of tangent on the northern line of the highway right-of-way.
Thence:
N. 43° 20' W. on tangent along the northern line of the highway right-of-way.
- 0.39 Point of curve on the northern line of the highway right-of-way.
Thence; with curve to the left, radius 460.0 ft., central angle 15° 55'.
N. 51° 17' 30" W. on chord of curve of the highway right-of-way.
- 1.93 Point of tangent on the northern line of the highway right-of-way.
Thence:
N. 59° 15' W. on tangent along the northern line of the highway right-of-way.
- 2.02 Angle point in the northern line of the highway right-of-way.
Thence:
N. 62° 44' W. on tangent along the northern line of the highway right-of-way.
- 3.05 Angle point in the northern line of the highway right-of-way.
Thence:
N. 53° 03' W. on tangent along the northern line of the highway right-of-way.
- 4.81 Intersect the section line between sections 19 and 20 at a point 22.56 chains S. 0° 03' E. of the corner of sections 17, 18, 19, and 20, an iron post, 2 ins. in diameter, conforming to the record.

Boundary of the Archæa National Monument

Chains

At the point of intersection:

Set an iron post, 3 ft. long and 1 in. in diameter; 24 ins. in the ground to solid rock, and in a mound of stone, for angle point No. 20, with brass cap marked:

T25SR21E

S19

S20

ANM

AP20

1941

Thence:

N. 0° 03' W., between sections 19 and 20.

22.56 The corner of sections 17, 18, 19, and 20, T. 25 S., R. 21 E.

Continue between sections 17 and 18.

62.56 The $\frac{1}{4}$ section corner of sections 17 and 18.

102.56 Point for the corner of sections 7, 8, 17, and 18, T. 25 S., R. 21 E., 50 links west of the witness corner.

Continue between sections 7 and 8.

152.26 The witness $\frac{1}{4}$ section corner of sections 7 and 8.

182.56 The corner of sections 5, 6, 7, and 8, T. 25 S., R. 21 E.

Thence:

N. 0° 15' E., between sections 5 and 6.

40.00 The $\frac{1}{4}$ section corner of sections 5 and 6.

80.50 The corner of sections 5, 6, 31, and 32, on the north boundary of the township.

Thence:

East, between sections 5 and 32, Ts. 24 and 25 S., R. 21 E.

40.00 The $\frac{1}{4}$ section corner of sections 5 and 32.

80.00 The corner of sections 4, 5, 32, and 33, Ts. 24 and 25 S., R. 21 E.

Thence:

N. 0° 03' W. between sections 32 and 33, T. 24 S., R. 21 E.

40.00 The $\frac{1}{4}$ section corner of sections 32 and 33.

80.00 The corner of sections 28, 29, 32, and 33, T. 24 S., R. 21 E.

Thence:

N. 89° 58' E. between sections 28 and 33.

39.93 The $\frac{1}{4}$ section corner of sections 28 and 33.

79.86 The corner of sections 27, 28, 33, and 34, T. 24 S., R. 21 E.

Thence:

N. 0° 02' W. between sections 27 and 28.

40.00 The $\frac{1}{4}$ section corner of sections 27 and 28.

Boundary of the Arches National Monument

Chains

80.00	The corner of sections 21, 22, 27, and 28, T. 24 S., R. 21 E. Thence: N. 89° 57' E. between sections 22 and 27.
40.03	The $\frac{1}{4}$ section corner of sections 22 and 27.
80.06	The corner of sections 22, 23, 26, and 27, T. 24 S., R. 21 E. Thence: N. 0° 01' W. between sections 22 and 23.
40.00	The $\frac{1}{4}$ section corner of sections 22 and 23.
80.00	The corner of sections 14, 15, 22, and 23, T. 24 S., R. 21 E. Thence: N. 89° 50' E. between sections 14 and 23.
39.90	The $\frac{1}{4}$ section corner of sections 14 and 23.
79.80	The corner of sections 13, 14, 23, and 24, T. 24 S., R. 21 E. Thence: N. 0° 01' W. between sections 13 and 14.
40.00	The $\frac{1}{4}$ section corner of sections 13 and 14.
80.00	The corner of sections 11, 12, 13, and 14, T. 24 S., R. 21 E. Continue between sections 11 and 12.
120.00	The $\frac{1}{4}$ section corner of sections 11 and 12.
160.00	The corner of sections 1, 2, 11, and 12, T. 24 S., R. 21 E. Continue between sections 1 and 2.
200.00	The $\frac{1}{4}$ section corner of sections 1 and 2. Thence: S. 89° 56' W. on the east-west center line of section 2.
79.86	The $\frac{1}{4}$ section corner of sections 2 and 3. Thence: S. 89° 57' W. on the east-west center line of section 3.
80.08	The $\frac{1}{4}$ section corner of sections 3 and 4. Thence N. 0° 05' W. between sections 3 and 4.
40.00	The corner of lots 5 and 12 in section 3 and lots 8 and 9 in section 4.
72.98	The corner of sections 3, 4, 33, and 34, Ts. 23 and 24 S., R. 21 E. Thence: N. 0° 02' W. between sections 33 and 34, T. 23 S., R. 21 E.
40.00	The $\frac{1}{4}$ section corner of sections 33 and 34.
80.00	The corner of sections 27, 28, 33, and 34, T. 23 S., R. 21 E. Thence:

Boundary of the Arches National Monument

Chains

N. 89° 57' E. between sections 28 and 33.

40.00 The $\frac{1}{4}$ section corner of sections 28 and 33.

80.00 The corner of sections 28, 29, 32, and 33, T. 23 S., R. 21 E.

Thence:

N. 0° 03' W. between sections 28 and 29.

40.00 The $\frac{1}{4}$ section corner of sections 28 and 29.

80.00 The corner of sections 20, 21, 28, and 29, T. 23 S., R. 21 E.

Thence:

S. 89° 58' W. between sections 20 and 29.

40.01 The $\frac{1}{4}$ section corner of sections 20 and 29, an iron post, 1 in. in diameter, firmly set, properly marked and witnessed as described in the official record. I add the letters ANM to the northeast quadrant.

Thence, with original survey:

N. 0° 01' E. on the north-south center line of section 20.

39.98 At the intersection of the center subdivision-of-section lines of section 20.

Set an iron post, 3 ft. long and 1 in. in diameter, 12 ins. in a hole drilled into solid rock, and in a mound of stone, for the center $\frac{1}{4}$ section corner of section 20, with brass cap marked:

ANM
+
C $\frac{1}{4}$ S20
1940

from which,

A pinon, 4 ins. in diameter, marked C $\frac{1}{4}$ S20BT, bears S. 15° 00' W. 170 links distant.

A pinon, 6 ins. in diameter, marked C $\frac{1}{4}$ S20BT, bears N. 19° 00' W., 87 links distant.

From the corner point, the $\frac{1}{4}$ section corner of sections 20 and 21, an iron post, conforming to the record, bears N. 89° 57' E. 39.77 chains distant; also the witness $\frac{1}{4}$ section corner of sections 17 and 20, an iron post, conforming to the record, and which is 5.00 chains N. 89° 52' W. of the true point for the $\frac{1}{4}$ section corner, bears N. 7° 06' W. 40.36 chains distant.

Thence; with original survey:

S. 89° 57' W. on the east-west center line of section 20.

39.97 The $\frac{1}{4}$ section corner of sections 19 and 20, an iron post, 1 in. in diameter, firmly set, properly marked and witnessed as described in the official record. I add the letters ANM to the north part of the post.

Thence:

S. 89° 53' W. along the east-west center line of section 19.

55.72 The $\frac{1}{4}$ section corner of sections 19 and 24, T. 23 S., R. 20 and 21 E.

Thence:

S. 89° 57' W. along the east-west center line of section 24, T. 23 S., R. 20 E.

Boundary of the Arches National Monument

Chains

aligned

43.40

On the west side of an unimproved road bearing N 44° 30' E. from Thompsons, Utah, to the Wolf Ranch:

Set an iron post, 3 ft. long and 1 in. in diameter, 32 ins. in the ground, with brass cap marked:

S24
ANM
c — c
PL
1940

Raise a mound of stone, 5 ft. base and 3 ft. high north of the post.

80.20

The original $\frac{1}{4}$ section corner of section 23 and 24, marked by a sandstone rock, 12x8x5 ins., firmly set in the ground and marked $\frac{1}{4}$ on the west face. I remonument the point as follows:

Set an iron post, 3 ft. long and 1 in. in diameter, 32 ins. in the ground, with brass cap marked:

ANM
 $\frac{1}{4}$
S23 | S24
1940

Raise a mound of stone, 5 ft. base and 3 ft. high west of the post, and deposit the original stone alongside the iron post.

Thence; on a dependent resurvey line.

S. $0^{\circ} 03'$ E. between sections 23 and 24.

40.07

The original corner of sections 23, 24, 25, and 26, marked by a badly decayed sandstone rock, 14x10x3 ins., firmly set in the ground, no marks visible, and witnessed by a mound of stone to the west. I remonument the point as follows:

Set an iron post, 3 ft. long and 2 ins. in diameter, 32 ins. in the ground, with brass cap marked:

ANM
T23SR20E
S23 | S24
S26 | S25
1940

Rebuild a mound of stone, 5 ft. base and 3 ft. high west of the post, and deposit the original stone alongside the iron post.

Thence; on a dependent resurvey line.

N. $89^{\circ} 55'$ W. between sections 23 and 26.

40.12

The original $\frac{1}{4}$ section corner of sections 23 and 26, marked by a badly decayed sandstone rock, 12x5x4 ins., set in a mound of stone, no marks visible, and from which:

A juniper, 4 ins. in diameter, marked $\frac{1}{4}$ S23BT, bears N. $15^{\circ} 45'$ W., 22 links distant.

A juniper, 4 ins. in diameter, marked $\frac{1}{4}$ S26BT, bears S. $21^{\circ} 45'$ E., 103 links distant.

I remonument the point as follows: Over a cross (+) put into solid rock:

Boundary of the Arches National Monument

Chains

Set an iron post, 3 ft. long and 1 in. in diameter, in a large mound of stone, with brass cap marked:

ANM

S23

$\frac{1}{4}$

S26

1940

Continue on same line with continuous measurement.

- 80.24 The original corner of sections 22, 23, 26, and 27, marked by a cross (+) cut into solid rock, not witnessed; I remonument the point as follows:

Set an iron post, 3 ft. long and 2 ins. in diameter, in a large mound of stone, with brass cap marked:

ANM

T23SR20E

S22	S23
-----	-----

S27	S26
-----	-----

1940

from which

A pinon, 5 ins. in diameter, marked T23SR20ES26BT, bears S. 89° 00' E. 28 links distant.

No other suitable tree available for marking.

Thence; on a dependent resurvey line.

N. 89° 00' W. between sections 22 and 27.

- 39.74 The original $\frac{1}{4}$ section corner of sections 22 and 27, marked by a badly decayed sandstone rock, 12x6x6 ins., set in a mound of stone, no marks visible; I remonument the point as follows:

Set an iron post, 3 ft. long and 1 in. in diameter, 4 ins. in the ground to solid rock, and in a large mound of stone, with brass cap marked:

ANM

S22

$\frac{1}{4}$

S27

1940

from which,

A pinon, 3 ins. in diameter, marked BT only, bears S. 9° 00' W. 57 links distant.

A pinon, 5 ins. in diameter, marked $\frac{1}{4}$ S22BT bears N. 79° 15' W., 144 links distant.

Thence:

N. 0° 20' W. along the north-south center line of section 22.

- 79.72 The $\frac{1}{4}$ section corner of sections 15 and 22, restored midway between the corner of sections 15, 16, 21, and 22, and the corner of sections 14, 15, 22, and 23, hereinafter described; at this point:

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground for the $\frac{1}{4}$ section corner, with brass cap marked:

S15

$\frac{1}{4}$

S22

ANM

1940

from which,

Boundary of the Arches National Monument

Chains

A juniper, 3 ins. in diameter, marked BT only; bears S. $28^{\circ} 30'$ E., 63 links distant.

No other suitable tree available for marking. Raise a mound of stone, 3 ft. base and 2 ft. high north of the post. No trace of the original $\frac{1}{4}$ section corner could be found.

From the $\frac{1}{4}$ section corner, the original corner of sections 15, 16, 21, and 22, bears N. $89^{\circ} 27'$ W. 40.13 chains distant. This corner is marked by a sandstone rock, 15x15x5 ins., set in a mound of stone, and marked with 3 notches on the south and east edges, and from which:

A pinon, 4 ins. in diameter, marked T23SR20ES15BT, bears N. $34^{\circ} 00'$ E., 57 links distant.

A pinon, 6 ins. in diameter, marked T23SR20ES22BT, bears S. $34^{\circ} 00'$ E., 37 links distant.

A pinon, 7 ins. in diameter, marked T23SR20ES16BT, bears N. $63^{\circ} 30'$ W., 41 links distant.

The tree originally marked for section 21 was found on the ground but with no evidence of its original position.

I remonument the corner point as follows: Over a cross (+) cut in solid rock:

Set an iron post, 3 ft. long and 2 ins. in diameter, in a large mound of stone, with brass cap marked:

T23SR20E	
S16	S15
—	
S21	S22
1940	

Deposit the original stone alongside the iron post.

Returning to the $\frac{1}{4}$ section corner of sections 15 and 22:

Thence: On a dependent resurvey line.

S. $89^{\circ} 27'$ E. between sections 15 and 22.

40.13 The original corner of sections 14, 15, 22, and 23, marked by a sandstone rock 14x10x4 ins., firmly set in the ground, and marked with 2 notches on the east and 3 notches on the south edges. I remonument the point as follows:

Set an iron post, 3 ft. long and 2 ins. in diameter, 20 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked:

T23SR20E	
S15	S14
—	
S22	S23
ANM	
1940	

Deposit the original stone alongside the iron post.

Thence: On a dependent resurvey line.

S. $89^{\circ} 55'$ E. between sections 14 and 23.

40.08 Proportionate distance, no trace of the original corner can be found.

Boundary of the Arches National Monument

Chains

Set an iron post, 3 ft. long and 1 in. in diameter, 32 ins. in the ground for the $\frac{1}{4}$ section corner, with brass cap marked:

S14

S23

ANM

1940

Raise a mound of stone, 4 ft. base and 3 ft. high north of the post.

Continue on same line with continuous measurement.

67.25 On the west side of an unimproved road bearing NW and SE, from Thompsons, Utah, to the Wolf Ranch:

Set an iron post, 3 ft. long and 1 in. in diameter, 32 ins. in the ground with brass cap marked:

S14

S23

ANM

1940

Raise a mound of stone, 4 ft. base and 3 ft. high, north of the post.

80.16 The original corner of sections 13, 14, 23, and 24, marked by a sandstone rock, 16x6x4 ins., firmly set in the ground and marked with 1 notch on the east and 3 notches on the south edges. I remonument this point as follows:

Set an iron post, 3 ft. long and 2 ins. in diameter, 32 ins. in the ground, with brass cap marked:

ANM

T23SR20E

S14	S13
-----	-----

S23	S24
-----	-----

1940

Raise a mound of stone, 4 ft. base and 3 ft. high, west of the post, and deposit the original stone alongside the iron post.

Thence: On dependent resurvey line.

North, between sections 13 and 14.

40.04 The original $\frac{1}{4}$ section corner, marked by a sandstone rock, 20x8x5 ins., firmly set in the ground, marked with 3 notches on the south and 1 notch on the east edge, witnessed by a mound of stone to the west; I remonument this point as follows:

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground, with brass cap marked:

S14

ANM

S13

1940

Rebuild the mound of stone, 4 ft. base and 3 ft. high, and deposit the original stone alongside the iron post.

Thence: On dependent resurvey line.

N. 0° 01' E. with continuous measurement.

Boundary of the Arches National Monument

Chains

80.04

The original corner of sections 11, 12, 13, and 14, marked by a sandstone rock, 20x16x3 ins., firmly set in the ground and marked with one notch on the east and 4 notches on the south edges, witnessed by a small mound of stone to the west; I remonument this point as follows:

Set an iron post, 3 ft. long and 2 ins. in diameter, 30 ins. in the ground, with brass cap marked:

ANM	
T23SR20E	
S11	S12
S14	S13
1940	

from which,

A juniper, 3 ins. in diameter, marked BT only, bears S. 83° 15' E., 148 links distant.

A pinon, 3 ins. in diameter, marked BT only, bears S. 39° 30' W., 97 links distant.

No other suitable tree available for marking; deposit the original stone alongside the iron post.

Thence: On dependent resurvey line.

N. 0° 09' E., between sections 11 and 12.

40.02

The original $\frac{1}{4}$ section corner of sections 11 and 12, marked by a sandstone rock, 12x7x5 ins., firmly set in the ground and marked $\frac{1}{4}$ on the west face, and from which:

A juniper 5 ins. in diameter, marked $\frac{1}{4}$ S12BT bears S. 56° 15' E., 134 links distant.

A pinon, 6 ins. in diameter, marked $\frac{1}{4}$ S11BT bears S. 47° 15' W., 110 links distant.

I remonument this point as follows:

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground, with brass cap marked:

$\frac{1}{4}$	
S11	S12
ANM	
1940	

Deposit the original stone alongside the iron post.

Thence:

N. 89° 48' E., along the east-west center line of section 12.

80.22

The $\frac{1}{4}$ section corner of sections 7 and 12, T. 23 S., Rs. 20 and 21 E., an iron post, conforming to the record.

Thence:

S. 89° 44' E., along the east-west center line of section 7, T. 23 S., R. 21 E.

55.48

The $\frac{1}{4}$ section corner of sections 7 and 8, and end of the dependent resurvey.

Thence:

S. 0° 03' E. between sections 7 and 8.

Boundary of the Arches National Monument

Chains	
40.00	The corner of sections 7, 8, 17, and 18, T. 23 S., R. 21 E.
	Thence:
	N. 89° 48' E. between sections 8 and 17.
39.93	The $\frac{1}{4}$ section corner of sections 8 and 17.
79.86	The corner of sections 8, 9, 16, and 17, T. 23 S., R. 21 E.
	Thence:
	N. 89° 51' E. between sections 9 and 16.
40.15	The $\frac{1}{4}$ section corner of sections 9 and 16.
80.30	The corner of sections 9, 10, 15, and 16, T. 23 S., R. 21 E.
	Thence:
	S. 0° 02' E. between sections 15 and 16.
40.00	The $\frac{1}{4}$ sec. cor. of sections 15 and 16.
80.00	The corner of sections 15, 16, 21, and 22, T. 23 S., R. 21 E.
	Thence:
	N. 89° 59' E. between sections 15 and 22.
40.07	The $\frac{1}{4}$ section corner of sections 15 and 22.
80.14	The corner of sections 14, 15, 22, and 23, T. 23 S., R. 21 E.
	Thence:
	S. 0° 01' E. between sections 22 and 23.
40.00	The $\frac{1}{4}$ section corner of sections 22 and 23.
80.00	The corner of sections 22, 23, 26, and 27, T. 23 S., R. 21 E.
	Thence:
	N. 89° 59' E. between sections 23 and 26.
39.96	The $\frac{1}{4}$ section corner of sections 23 and 26.
79.92	The corner of sections 23, 24, 25, and 26, T. 23 S., R. 21 E.
	Thence:
	S. 0° 01' E. between sections 25 and 26.
40.00	The $\frac{1}{4}$ section corner of sections 25 and 26.
80.00	The corner of sections 25, 26, 35, and 36, T. 23 S., R. 21 E.
	Continue between sections 35 and 36.
120.00	The $\frac{1}{4}$ section corner of sections 35 and 36.
160.00	The corner of sections 1, 2, 35, and 36, Ts. 23 and 24 S., R. 21 E.
	Thence:
	East, between sections 1 and 36.
40.00	The $\frac{1}{4}$ section corner of sections 1 and 36.

Boundary of the Arches National Monument

Chains		
80.00	The closing corner of townships 23 and 24 south, range 22 east.	
	Thence:	
	South, between sections 1 and 31, T. 24 S., R. 22 E., and T. 23 S., R. 22 E.	
32.95	The corner of townships 23 and 24 south, range 22 east.	
	Thence:	
	East, between sections 6 and 31.	
63.75	The $\frac{1}{4}$ section corner of sections 6 and 31.	
103.75	The corner of sections 5, 6, 31, and 32, Ts. 23 and 24 S., R. 22 E.	
	Continue between sections 5 and 32.	
143.75	The $\frac{1}{4}$ section corner of sections 5 and 32;	
183.75	The corner of sections 4, 5, 32, and 33, Ts. 23 and 24 S., R. 22 E.	
	Continue between sections 4 and 33.	
223.75	The $\frac{1}{4}$ section corner of sections 4 and 33.	
	Thence:	
	S. 0° 17' E., along the north-south center line of section 4, T. 24 S., R. 22 E.	
80.27	The $\frac{1}{4}$ section corner of sections 4 and 9.	
	Thence:	
	S. 0° 03' E., along the north-south center line of section 9.	
80.00	The $\frac{1}{4}$ section corner of sections 9 and 16.	
	Thence:	
	S. 89° 54' W. between sections 9 and 16.	
40.02	The corner of sections 8, 9, 16, and 17, T. 24 S., R. 22 E.	
	Thence:	
	S. 0° 03' E. between sections 17 and 16.	
40.00	The $\frac{1}{4}$ section corner of sections 16 and 17.	
80.00	The corner of sections 16, 17, 20, and 21, T. 24 S., R. 22 E.	
	Continue between sections 20 and 21.	
120.00	The $\frac{1}{4}$ section corner of sections 20 and 21.	
160.00	The corner of sections 20, 21, 28, and 29, T. 24 S., R. 22 E.	
	Continue between sections 28 and 29.	
200.00	The $\frac{1}{4}$ section corner of sections 28 and 29.	
240.00	The corner of sections 28, 29, 32, and 33, T. 24 S., R. 22 E.	
	Continue between sections 32 and 33.	
280.00	The $\frac{1}{4}$ section corner of sections 32 and 33.	

Boundary of the Arches National Monument

Chains	
	Thence:
	N. 89° 42' W. along the east-west center line of section 32.
79.82	The $\frac{1}{4}$ section corner of sections 31 and 32.
	Thence:
	N. 89° 50' W., along the east-west center line of section 31.
104.36	The $\frac{1}{4}$ section corner of sections 31 and 36, Ts. 24 S., Rs. 21 and 22 E.
	Thence:
	N. 89° 54' W. along the east-west center line of section 36, T. 24 S., R. 21 E.
79.82	The $\frac{1}{4}$ section corner of sections 35 and 36.
	Thence:
	S. 0° 01' E. between sections 35 and 36.
40.00	Point for the corner of sections 1, 2, 35, and 36, Ts. 24 and 25 S., R. 21 E.
	Thence:
	West, between sections 2 and 35.
5.45	The witness corner of sections 1, 2, 35, and 36, Ts. 24 and 25 S., R. 21 E.
40.00	The $\frac{1}{4}$ section corner of sections 2 and 35.
80.00	The corner of sections 2, 3, 34, and 35, Ts. 24 and 25 S., R. 21 E.
	Thence:
	S. 0° 17' W. between sections 2 and 3, T. 25 S., R. 21 E.
40.04	The $\frac{1}{4}$ section corner of sections 2 and 3.
80.04	The corner of sections 2, 3, 10, and 11, T. 25 S., R. 21 E.
	Thence S. 0° 01' E. between sections 10 and 11.
40.40	The witness $\frac{1}{4}$ section corner of sections 10 and 11.
80.00	The corner of sections 10, 11, 14, and 15, T. 25 S., R. 21 E.
	Continue between sections 14 and 15.
120.00	The $\frac{1}{4}$ section corner of sections 14 and 15.
160.00	The corner of sections 14, 15, 22, and 23, T. 25 S., R. 21 E.
	Continue between sections 22 and 23.
199.50	The witness $\frac{1}{4}$ section corner of sections 22 and 23.
240.00	The corner of sections 22, 23, 26, and 27, T. 25 S., R. 21 E.
	Thence:
	South, between sections 26 and 27.
14.48	Angle point No. 1 of the boundary survey, and the point of beginning.

FIELD ASSISTANTS

CERTIFICATE OF SURVEYOR

We, J. C. Clark and Robert C. Yundt, Assistant Cadastral Engineers, HEREBY CERTIFY upon honor and conscience, in pursuance of special instructions bearing date of the third day of July, 1940, received from the district cadastral engineer for Utah, with assigned dates of September 28, 1940, October 25, 1940 and April 29, 1941, we have surveyed those portions of the Boundary of the Arches National Monument.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by us and under our direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah, December 13, 1941 *Robert C. Yundt* Assistant Cadastral Engineer
J. C. Clark (formerly Surveyor Assistant)
Salt Lake City, Utah, January 31, 1942 *J. C. Clark* Assistant Cadastral Engineer
 (formerly Surveyor)

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,

Denver, Colorado, May 14, 1942.

The foregoing field notes of the survey of the Boundary of the Arches National Monument executed by J. C. Clark, Surveyor and Robert C. Yundt, Surveyor and Assistant Cadastral Engineer, under special instructions dated July 3, 1940, and assignment of October 25, 1940 and April 29, 1941, September 28, 1940 and, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

Samuel P. Johnson
 Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes on file in the public survey office.~~

Samuel P. Johnson
 Supervisor of Surveys.